

Health Technology Review

Efficacy and Safety of Long-Term Use of Omalizumab for the Treatment of Chronic Idiopathic Urticaria

Project Protocol

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This Health Technology Review is being conducted by the POst-Market Drug Evaluation Team (PODET) through the Post-Market Drug Evaluation CoLab Network.

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Abbreviations

CIU	chronic idiopathic urticaria
CSU	chronic spontaneous urticaria
CU-Q2oL	Chronic Urticaria Quality of Life questionnaire
DLQI	Dermatology Life Quality Index
IgG	immunoglobulin G
IgE	immunoglobulin E
ISS7	7-Day Itch Severity Score
KSAU	Knowledge Synthesis and Application Unit
NMA	network meta-analysis
OR	odds ratio
PRESS	Peer Review of Electronic Search Strategies
PRISMA	Preferred Reporting Items for Systematic Reviews and Meta-Analyses
PRISMA-P	Preferred Reporting Items for Systematic Reviews and Meta-Analyses for Protocols
PODET	Post-Market Drug Evaluation Team
RoB	risk of bias
ROBINS-I	Risk Of Bias in Non-Randomised Studies of Interventions
SMD	standardized mean difference
UAS7	7-Day Urticaria Activity Score
UCT	Urticaria Control Test
WISS	Weekly Itch Severity Score
WWS	Weekly Wheal Score

Amendments and Updates

Table 1: Amendments and Updates

Section	Amendment	Page	Rationale
Clinical Review: Literature Search Methods	No checking of reference lists was completed	6 to 7	Feasibility
Clinical Review: Study Designs	Inclusion of single arm prospective studies	7 to 8	Paucity of longer duration study data for omalizumab
Clinical Review: Eligibility Criteria	Inclusion of non-English records (1 article in Russian was translated and included)	8	Paucity of longer duration study data for omalizumab

Introduction and Rationale

Chronic idiopathic urticaria (CIU) – also known as chronic spontaneous urticaria (CSU) – is characterized by the presence of itchy hives persisting for at least 6 weeks, often with angioedema, and no identifiable external trigger.¹ This condition typically endures for 1 to 5 years, affecting more women than men and substantially impairing the emotional and physical health-related quality of life of patients.² The financial impact of CIU on both patients and the health care system is significant, with patients in Canada living with the condition for more than 6 months incurring out-of-pocket expenses averaging nearly \$1,000.³

Traditionally, nonsedating H₁ antihistamines have been the cornerstone of initial CIU treatment.⁴ Following clinical practice guidelines jointly issued by prominent organizations, clinicians in Canada typically updose the second-generation H₁ antihistamines to the maximum tolerated level, often exceeding the indicated dose by up to 4 times before considering additional treatments for inadequately controlled symptoms.⁵ Unfortunately, many patients do not respond to H₁ antihistamines, even when administered at 3 to 4 times the approved dose.⁶

Omalizumab (Xolair) is a humanized monoclonal antibody that binds to immunoglobulin E (IgE), preventing its interaction with its high-affinity receptor on mast cells and basophils. This action reduces IgE-induced mast cell and basophil degranulation and histamine release. In 2015, the Canadian Drug Expert Committee recommended omalizumab for the treatment of adults and adolescents with moderate to severe CIU who remain symptomatic (experience hives and/or associated itching) despite optimal treatment with available oral therapies like loratadine.⁷ Omalizumab was approved by Health Canada in 2004.⁸ However, the data on the efficacy and safety of omalizumab for patients requiring re-treatment or use beyond 24 weeks were lacking.

While several systematic reviews have evaluated omalizumab's efficacy for treating CIU, none have investigated its long-term (> 24 weeks) safety and effectiveness. Most of these reviews did not involve quantitative meta-analyses and relied solely on patient-reported outcomes.⁹⁻¹² Furthermore, many of these reviews limited their scope to randomized controlled trials (RCTs),^{9,12-16} potentially overlooking data

from nonrandomized clinical studies.^{17,18} Some of these reviews were also sponsored by pharmaceutical companies, including the manufacturer of omalizumab,^{9,11,13} introducing concerns about potential bias in the reported outcomes.

Henceforth, this systematic review aims to evaluate the effectiveness and safety of omalizumab at or beyond 24 weeks in CIU patients assessed using patient-reported and clinical outcomes. Moreover, it aims to identify the characteristics of patients who use omalizumab for longer than 24 weeks.

Project Scope and Protocol Development

The methodology employed for this review follows the guidelines outlined in the Cochrane Handbook for Systematic Reviews of Interventions.¹⁹ Reporting of the protocol adheres to the Preferred Reporting Items for Systematic Reviews and Meta-Analyses for Protocols (PRISMA-P).²⁰ The systematic review is registered in the PROSPERO International Prospective Register of Systematic Reviews (registration number: CRD42023397714).

Following the scoping and refinement process, CADTH and the Post-Market Drug Evaluation Team (PODET) at the University of Ottawa finalized the research and policy questions, and selection criteria with content expert and jurisdictional input.

The protocol was developed by PODET in collaboration with CADTH and a content expert, and was posted on the CADTH website for stakeholder feedback. This systematic review follows the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) 2020 reporting guidelines.²¹

Objectives

The objective is to evaluate the effectiveness and safety of omalizumab used for 24 weeks or longer in patients with CIU, using clinical and patient-reported outcomes.

Deliverables

The following deliverables are planned:

- protocol
- scientific report
- summary and visual tool to aid knowledge dissemination.

Policy Questions

1. Is long-term (> 24 weeks) treatment with omalizumab effective, and if so, for which patients?
2. What criteria dictate long-term (> 24 weeks) treatment effectiveness?
3. What are appropriate discontinuation or funding criteria for long-term users?

Research Questions

1. What is the effectiveness of long-term use of omalizumab (i.e., > 24 weeks)?
 - a) What is the effectiveness of updosing (i.e., up to 600 mg every 4 weeks)?
 - b) What is the effectiveness of reducing the dosing interval (i.e., from 4 weeks to 2 weeks)?
2. What is the safety of long-term use of omalizumab (i.e., > 24 weeks)?
 - a) What is the safety of updosing (i.e., up to 600 mg every 4 weeks)?
 - b) What is the safety of reducing dosing intervals (i.e., from 4 weeks to 2 weeks)?
3. What are treatment-informing characteristics of patients who use omalizumab for longer than 24 weeks?

Clinical Review Methods

Literature Search Methods

An experienced medical information specialist will develop and test the search strategies through an iterative process in consultation with the review team. The MEDLINE strategy will be peer reviewed by another senior information specialist before execution using the PRESS (Peer Review of Electronic Search Strategies) checklist.²² Using the multifile option and deduplication tool available on the Ovid platform, we will search Ovid MEDLINE ALL, Embase Classic + Embase, the Cochrane Central Register of Controlled Trials, and the Cochrane Database of Systematic Reviews. The strategies will use a combination of controlled vocabulary (e.g., “omalizumab,” “ephedrine,” “chronic urticaria”) and keywords (e.g., “xolair,” “neo fedrin,” “idiopathic urticaria”). Vocabulary and syntax will be adjusted across the databases and, where possible, animal-only records and opinion pieces will be removed. There will be no language restrictions, but records will be limited by publication year (2005 to the date of the search). Records will be downloaded and deduplicated using EndNote version 9.3.3 (Clarivate Analytics). The literature search results will be uploaded to [Covidence](#), a web-based data management and screening platform (2023 Covidence, Veritas Health Innovation). The review team will create and test screening questions and forms based on the selection criteria. Citations, abstracts, and full texts of the items will be uploaded to the Covidence database. A calibration exercise will be conducted before commencing the screening process.

Supplemental searches using backward chaining (looking through the bibliographies of included studies for additional relevant articles) and grey literature will be performed. Specific details regarding the strategies appear in [Appendix 1](#) and the PRISMA-P checklist in [Appendix 2](#).

Monthly MEDLINE alerts will be maintained until the stakeholder review phase is initiated for the draft report.

Selection and Eligibility Criteria

Study Selection

After a pilot screening exercise, 2 independent reviewers will screen the titles and abstracts of the retrieved records. The full-text records of potentially relevant records will be reviewed to determine eligibility based on the population, interventions, comparisons, outcomes, and study design (PICOS) framework ([Table 2](#)). Records will not be excluded based on outcomes. Full-text records will be screened by 1 reviewer and verified by a second independent reviewer. Conflicts will be resolved through discussion or consultation with a third reviewer.

Reviewers will not be blinded to the study authors or the source of publication during the study selection process. To facilitate and standardize the screening and selection process, reviewers will use Covidence, a web-based systematic review management tool. The review team will create and test screening questions and forms based on the selection criteria. Citations, abstracts, and full texts of the items will be uploaded to the Covidence database. A calibration exercise will be conducted before commencing the screening process.

Inclusion and Exclusion Criteria

Eligible studies will meet the criteria for the systematic review identified in [Table 2](#).

Table 2: Selection Criteria

Criteria	Description
Population	Adults with moderate to severe CIU who remain symptomatic (presence of hives and/or associated itching) despite optimum management with available oral therapies who require > 24 weeks of omalizumab treatment.
Interventions	Omalizumab ≥ 24 weeks (with or without antihistamines)
Comparators	<ul style="list-style-type: none"> • Omalizumab ≤ 24 weeks (as monotherapy or in combination with an antihistamine) • Antihistamines (first or second generation) • Hydroxychloroquine • Cyclosporine • H₂ blockers (e.g., famotidine) • Leukotriene inhibitors (e.g., montelukast) • Placebo • No omalizumab
Outcomes	Efficacy or effectiveness: <ul style="list-style-type: none"> • Itchiness and hives using validated scales (e.g., WISS or ISS7, UAS7, WWS, UCT) • Relapse

Criteria	Description
	<ul style="list-style-type: none"> • Remission • Health-related quality of life using validated scales (e.g., DLQI, CU-Q2oL) • Number of responders • Rescue medication use Safety: <ul style="list-style-type: none"> • Serious adverse events • Withdrawals due to adverse events
Subgroup analyses	Subgroup analyses according to dosing regimen: <ul style="list-style-type: none"> • 300 mg every 4 weeks • Updosing: increase of dose (i.e., 400 mg to 600 mg every 4 weeks) • Dosing interval: change in dosing interval (dose administered more frequently, e.g., every 2 weeks or 3 weeks)
Study design	<ul style="list-style-type: none"> • Randomized controlled trials • Nonrandomized controlled trials • Quasi-experimental controlled trials • Comparative cohort studies
Exclusion criteria	Noncomparative trials

CU-Q2oL = Chronic Urticaria Quality of Life questionnaire; DLQI = Dermatology Life Quality Index; ISS7 = 7-Day Itch Severity Score; UAS7 = 7-Day Urticaria Activity Score; UCT = Urticaria Control Test; WISS = Weekly Itch Severity Score; WWS = Weekly Wheal Score.

For studies with mixed populations, at least 80% of the population must be eligible for the record to be included.

Systematic reviews, protocols for studies in progress or without results, registered studies in progress, editorials, letters, commentaries, conference abstracts, presentations, theses, preprints, and duplicate studies will be excluded.

Data Collection and Critical Appraisal

Data Collection

One reviewer will extract data and a second independent reviewer will verify all extracted data for completeness and accuracy. A data pilot will be conducted for each included study design and standardized extraction forms will be created (Covidence, Evidence Partners, and/or Microsoft Excel). All data will be collected as reported with associated measures of variation or precision. Extracted data will include, but may not be limited to:

- citation details: author, year, journal, country, and publication type
- methodology: setting, number of sites, number of arms, duration, start date, end date, aim, relevant study or clinical definitions, inclusion and exclusion definitions, blinding or masking details, and other design-specific variables as reported
- population: age, sex, ethnicity, criteria used to define CIU, disease history, treatment history, comorbidities, and family history

- population characteristics: age, sex, gender, duration of CIU, previous use of omalizumab, inadequate response to H₁ blockers (defined as 4 times the high dose), D-dimer status, and IgE status
- intervention: description of the study intervention: administration (dose, treatment duration, dosing frequency, up dosing or dose reduction, route of administration)
- control: description of control, placebo, and active drug; drug name (brand or generic); and administration (dose, dosage form, route of administration, dosing frequency, treatment duration, interval timing)
- outcomes: as per [Table 2](#) for each time point reported and study-reported definitions
- other: funding source and author declarations.

Missing data will be identified and reported. Only studies reporting outcomes of interest will be extracted. The citations of studies not reporting outcomes will be cited in the final report. WebPlotDigitizer²³ will be used to extract data from figures if needed.

Risk of Bias

Two reviewers will independently review and evaluate the included studies' risk of bias (RoB). RCTs will be assessed using Cochrane's Risk of Bias 2.0 (RoB 2.0) tool.²⁴ We will critically appraise the following 5 domains: RoB arising from the randomization process, due to deviations from the intended interventions, due to missing outcome data, in measurement of the outcome and in selection of the reported result. A standardized form will be used to complete all assessments. We will evaluate the primary publication for each RCT and, when necessary, seek additional information from the protocol, study registration record, or additional study publications.

For other study designs, the Risk Of Bias In Nonrandomized Studies of Interventions (ROBINS-I) will be used.²⁵ Domain-specific RoB will inform judgments for an overall RoB for each study. To facilitate an efficient assessment process, outcomes will be grouped and assessed separately based on their outcome status (objective or subjective). Briefly, we will assess and assign an overall RoB in the following domains: confounding, selection of participants, classification of intervention, deviation from intended interventions, missing data, measurement of primary outcomes, and selection of the reported results. Any disagreements will be solved by discussion.

RoB will only be assessed for studies reporting outcomes of interest.

Meta-Bias

To determine the presence of reporting bias, we will verify whether a protocol for each study was completed a priori. To verify registration of protocols we will screen the clinical trial registers ClinicalTrials.Gov, CENTRAL and ICTRP (WHO). Small sample bias will be calculated by comparing the fixed effect estimate against the random-effects model. If more than 10 studies are available, funnel plots will be created to ascertain the presence of reporting bias in the included studies.

Data Analysis and Synthesis

The results of the systematic review will be summarized descriptively. Prior to pooling studies, we will assess clinical and methodological heterogeneity by comparing study design, patients' characteristics, and studied interventions of included studies. Statistical heterogeneity will be measured using Cochrane's Q (statistically significant at $P < 0.10$) and the I^2 statistic ($> 75\%$ considered to represent high heterogeneity).

If appropriate and where data are sufficient, a random-effects meta-analysis will be conducted for each primary and secondary outcome of interest using software such as RevMan 5.4 or Stata. Additionally, sensitivity analysis using a fixed-effects model will be used to assess the robustness of random-effects model. The mean difference will be used for continuous outcomes and the relative risk will be used for dichotomous outcomes. For continuous outcomes with varying outcome scales reported (e.g., health-related quality of life), effect estimates will be expressed as standardized mean differences. If insufficient direct evidence is not available, indirect evidence based on a network meta-analysis will be considered applying a Bayesian approach using WinBUGS version 1.4.3 (MRC Biostatistics Unit). Where network meta-analysis is appropriate and feasible, methods will be detailed in a separate statistical analysis plan.

Where quantitative synthesis is not feasible, a description of included studies and relevant outcome data will be provided. When meta-analysis for any outcome is not appropriate or feasible, a descriptive summary will be included in the report. All results will be presented using tables and forest plots (meta-analyses) or other figures (network meta-analyses).

Opportunities for Stakeholder Feedback

Stakeholders will be given the opportunity to provide feedback on the draft protocol and draft report.

References

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Appendix I: Literature Search Strategy

Note that this appendix has not been copy-edited.

Final Strategy; 2023 Mar 28

Ovid Multifile

Database: Embase Classic+Embase <1947 to 2023 March 27>, Ovid MEDLINE(R) ALL <1946 to March 27, 2023>, EBM Reviews - Cochrane Central Register of Controlled Trials <February 2023>, EBM Reviews - Cochrane Database of Systematic Reviews <2005 to March 22, 2023>

Search Strategy:

- 1 Omalizumab/ (13780)
- 2 (omalizumab or ct-p39 or ctp39 or fb 317 or fb317 or gbr 310 or gbr310 or hu 901 or hu901 or ige 25 or ige25 or "ige 025" or ige025 or olizumab\$2 or rg 3648 or rg3648 or rhumab 25 or rhumab e25 or "sti 004" or sti004 or "syn 008" or syn008 or xolair\$2 or 2p471x1z11 or 242138-07-4).tw,kw,kf,ot,hw,rn,nm. (16248)
- 3 ((anti-IgE or antilgE) adj4 (antibod* or anti-bod*)).tw,kw,kf,ot. (3411)
- 4 Loratadine/ (8677)
- 5 (loratadine or aerotina\$2 or alavert\$2 or alerfast\$2 or alernitis\$2 or alerpriv\$2 or alertadin\$2 or alertrin\$2 or allerta\$2 or allertyn\$2 or allohex\$2 or ambrace\$2 or analergal\$2 or anhissen\$2 or anlos\$ or ardin\$2 or biloina\$2 or bonalerg\$2 or caradine\$2 or carin\$2 or civeran\$2 or clalodine\$2 or claratyne\$2 or clarid\$2 or clarium\$2 or claritin\$2 or claritine\$2 or clarityn\$2 or clarityne\$2 or cronitin\$2 or cronopen\$2 or curyken\$2 or demazin\$2 or ezasmin\$2 or ezede\$2 or finska\$2 or frenaler\$2 or fristamin\$2 or genadine\$2 or halodin\$2 or hislorex\$2 or histalor\$2 or histaloran\$2 or j-tadine\$2 or klarihist\$2 or klinset\$2 or laredine\$2 or lergia\$2 or lertamine\$2 or lesidas\$2 or lindine\$2 or lisino\$2 or lobeta\$2 or lodain\$2 or lora-lich\$2 or lora-tabs\$2 or lorabasics\$2 or loracert\$2 or loraclar\$2 or loraderm\$2 or loradex\$2 or loradif\$2 or loradin\$2 or lorahist\$2 or loralg\$2 or lorano\$2 or loranox\$2 or lorantis\$2 or lorapaed\$2 or lorastine\$2 or loratadura\$2 or loratan\$2 or loratazine\$2 or loratidin\$2 or loratidine\$2 or loraton\$2 or loratrim\$2 or loratyne\$2 or loraver\$2 or loraxin\$2 or loreen\$2 or lorfast\$2 or lorihis\$2 or lorin\$2 or lorita\$2 or loritine\$2 or lotadine\$2 or lotarin\$2 or lowadina\$2 or mosedin\$2 or noratin\$2 or notamin\$2 or nularef\$2 or onemin\$2 or optimin\$2 or polaratyne\$2 or proactin\$2 or pylor\$2 or restamine\$2 or ridamin\$2 or rihest\$2 or rinityn\$2 or rityne\$2 or roletra\$2 or rotifar\$2 or sanelor\$2 or sch-2985 or sch2985 or sch 29851 or sch29851 or sensibit\$2 or sohotin\$2 or tadine\$2 or tidilor\$2 or tirlor\$2 or toradine\$2 or velodan\$2 or versal\$2 or voratadine\$2 or zeos\$2 or 7AJ03B07QN or 79794-75-5).tw,kw,kf,ot,hw,rn,nm. (357622)
- 6 (fexofenadine or allegra\$2 or allegratab\$2 or almerg\$2 or fexallegra\$2 or fexofenadin\$2 or fexofenadine\$2 or "m 016455" or m016455 or mdl 16455 or mdl16455 or mdl 16455a or mdl16455a or telfast\$2 or treathay\$2 or E6582LOH6V or 138452-21-8).tw,kw,kf,ot,hw,rn,nm. (7243)

- 7 (desloratadine or aeriuss\$2 or alerdin\$2 or aleric\$2 or allex\$2 or aviant\$2 or azomyr\$2 or claramax\$2 or clarinex\$2 or dasselta\$2 or decarbethoxyloeroladine\$2 or denosin\$2 or desalergo\$2 or desalex\$2 or descarboethoxyloeroladine\$2 or deslor\$2 or escontral\$2 or mk 4117 or mk4117 or neoclaritine\$2 or neoclarityn\$2 or opulis\$2 or sch 34117 or sch34117 or sinalerg\$2 or supraler\$2 or FVF865388R or 100643-72-9 or 100643-71-8).tw,kw,kf,ot,hw,rn,nm. (4332)
- 8 Cetirizine/ (11114)
- 9 (cetirizine or ac 170 or ac170 or acidrine\$2 or actifed allergie\$2 or adezio\$2 or agelmin\$2 or alairgix\$2 or alercet\$2 or alerid\$2 or alerlisin\$2 or alertop\$2 or alerviden\$2 or aletir\$2 or alled\$2 or allertec\$2 or allertec\$2 or alltec\$2 or alzytec\$2 or benaday\$2 or benadryl\$2 or betarhin\$2 or cabal\$2 or cerazine\$2 or cerini\$2 or cerotec\$2 or cesta\$2 or cetalerg\$2 or ceterifug\$2 or cethis\$2 or ceti tab\$2 or ceti-puren\$2 or cetilich\$2 or cetiderm\$2 or cetidura\$2 or cetil von ct \$2 or cetimin\$2 or cetin\$2 or cetirigamma\$2 or cetirax\$2 or cetirin\$2 or cetirizin\$2 or cetirizina\$2 or cetirizinum\$2 or cetirlan\$2 or cetizin\$2 or cetrimed\$2 or cetrine\$2 or cetrizet\$2 or cetrizin\$2 or cetryn\$2 or cetymin\$2 or cistmine\$2 or deallergy\$2 or drill allergie\$2 or falergi\$2 or finallerg\$2 or formistin\$2 or generit\$2 or histazine\$2 or histica\$2 or humex\$2 or incidal-od\$2 or jdp 205 or jdp205 or jdp 207 or jdp207 or lergium\$2 or livoreactine\$2 or nosemin\$2 or nosmin\$2 or ot 1001 or ot1001 or ozen\$2 or "p 071" or p071 or piriteze allergy\$2 or pollenase\$2 or pollenshield\$2 or prixlae\$2 or quzyttir\$2 or qzytir\$2 or raingen\$2 or razene\$2 or reactine\$2 or rhizin\$2 or risima\$2 or ritecam\$2 or ryvel\$2 or ryzen\$2 or sancotec\$2 or selitex\$2 or setizin\$2 or setir\$2 or simtec\$2 or sutac\$2 or symitec\$2 or terizin\$2 or terizine\$2 or vick-zyrt\$2 or virlix\$2 or voltric\$2 or xarlin\$2 or zenriz\$2 or zensil\$2 or zeran\$2 or zertine\$2 or zerviate\$2 or zetir\$2 or zicet\$2 or zinex\$2 or ziptek\$2 or ziralton\$2 or zirtec\$2 or zirtek\$2 or zirtin\$2 or zyllergy\$2 or zymed\$2 or zyrac\$2 or zyrazine\$2 or zyrcon\$2 or zyrlex\$2 or zyrtec\$2 of zyrtecset\$2 or zyrtek\$2 or YO7261ME24 or 640047KTOA or 83881-51-0 or 83881-52-1).tw,kw,kf,ot,hw,rn,nm. (32708)
- 10 (levocetirizine or allerwet\$2 or cetirmar\$2 or levocetira\$2 or levocetirizina\$2 or levrix\$2 or muntel\$2 or novocetrin\$2 or rinozal\$2 or sopras\$2 or vozet\$2 or xarlin\$2 or xazal\$2 or xozal\$2 or xusal\$2 or xyzal\$2 or xyzall\$2 or 6U5EA9RT20 or SOD6A38AGA or W69HSF2416 or 130018-77-8 or 130018-77-8).tw,kw,kf,ot,hw,rn,nm. (3212)
- 11 exp Diphenhydramine/ (31209)
- 12 (diphenhydramine or alledryl\$2 or allerdryl\$2 or allergina\$2 or amidryl\$2 or antistominum\$2 or antomin\$2 or bagodryl\$2 or banaril\$2 or baramine\$2 or beldin\$2 or belix\$2 or benachlor\$2 or benadril\$2 or benadrin\$2 or benadryl\$2 or benadyl\$2 or benapon\$2 or benhydramin\$2 or benocten\$2 or benodin\$2 or benodine\$2 or benylan\$2 or benylin\$2 or benzantine\$2 or benzhydramine\$2 or benzhydriil\$2 or betramin\$2 or broncho d\$2 or caladryl\$2 or carphenamine\$2 or carphenex\$2 or cathejell\$2 or compoz\$2 or dabylen\$2 or debendrin\$2 or dermistina\$2 or dermodrin\$2 or desentol\$2 or diabenyil\$2 or diabylen\$2 or dibadorm\$2 or dibendrin\$2 or dibenil\$2 or dibondrin\$2 or dibondrin\$2 or difedryl\$2 or difenhydramin\$2 or difenhydramine\$2 or dihidral\$2 or dimedrol\$2 or dimedryl\$2 or dimidril\$2 or dimiril\$2 or diphantine\$2 or diphedryl\$2 or diphen\$2 or diphenacen\$2 or diphendramine\$2 or diphenhydramide\$2 or diphenhydramin\$2 or diphenydramine\$2 or diphenylhydramin\$2 or diphenylhydramine\$2 or diphenylhydramine\$2 or dobacen\$2 or dormin\$2 or dryhistan\$2 or drylistan\$2 or dylamon\$2 or dytan\$2

or emesan\$2 or histaxin\$2 or histergan\$2 or hyadrine\$2 or hydramine\$2 or hyrexin\$2 or ibiodral\$2 or medidryl\$2 or mephadryl\$2 or nausen\$2 or neosynodorm\$2 or novamina\$2 or nytol quickgels\$2 or pm 255 or pm255 or probedryl\$2 or q-dryl\$2 or reisegold\$2 or resmin\$2 or restamin\$2 or sediat\$2 or sedryl\$2 or silphen\$2 or sleepeze\$2 or sominex\$2 or syntedril\$2 or trux-adryl\$2 or tzoali\$2 or unisom sleepgels\$2 or valdrene\$2 or valu-dryl\$2 or venasmin\$2 or vertirosan\$2 or "vicks formula 44" or vilbin\$2 or wehdryl\$2 or ziradryl\$2 or 8GTS82S83M or 40D433S209 or TC2D6JAD40 or 147-24-0 or 58-73-1 or 88637-37-0).tw,kw,kf,ot,hw,rn,nm. (130328)

13 Hydroxyzine/ (12113)

14 (hydroxyzine or abacus\$2 or "ah3 n" or antizine\$2 or arcanax\$2 or atarax\$2 or ataraxone\$2 or aterax\$2 or attarax\$2 or bestalin\$2 or bobsule\$2 or centilax\$2 or cerax\$2 or darax\$2 or disron\$2 or dormirex\$2 or durrax\$2 or efidac\$2 or hiderax\$2 or hizin\$2 or hydroxyzine\$2 or hyzine\$2 or idroxizina\$2 or iremofar\$2 or iterax\$2 or novohydroxyzin\$2 or orgatrx\$2 or otarex\$2 or paxistil\$2 or phymorax\$2 or postarax\$2 or prurid\$2 or qualidrozone\$2 or quiess\$2 or "r-rax" or "tran q" or trandozine\$2 or tranquijust\$2 or ucb 4492 or ucb4492 or ucerax\$2 or unamine\$2 or vistacot\$2 or vistaject\$2 or vistaril\$2 or 30S50YM80G or 76755771U3 or M20215MUFRR or 10246-75-0 or 2192-20-3 or 68-88-2).tw,kw,kf,ot,hw,rn,nm. (14549)

15 Methotrexate/ (257024)

16 (methotrexate or "a methopterin" or abitextrate\$2 or abitrexate\$2 or "adx 2191" or adx2191 or amethopterin\$2 or amethopterin\$2 or ametopterine\$2 or antifolan\$2 or biotrexate\$2 or brimexate\$2 or canceren\$2 or cl 14377 or cl14377 or emt 25299 or emt25299 or emtexate\$2 or emthexat\$2 or emthexate\$2 or emtrexate\$2 or enthexate\$2 or farmitrexat\$2 or farmitrexate\$2 or farmotrex\$2 or folex\$2 or ifamet\$2 or imeth\$2 or intradose MTX or jylamvo\$2 or lantarel\$2 or ledertrexate\$2 or lumexon\$2 or maxtrex\$2 or metatrexan\$2 or metex\$2 or methoblastin\$2 or methohexate\$2 or methotrate\$2 or methotrexat\$2 or methotrexate\$2 or methotrexato\$2 or methotrexate\$2 or methotrexate\$2 or methotrexate\$2 or methylaminopterin\$2 or methylaminopterin\$2 or metecil\$2 or metoject\$2 or metothrexate\$2 or metotrexat\$2 or metotrexate\$2 or metotrexin\$2 or metrex\$2 or metrotex\$2 or mexate\$2 or mpi 2505 or mpi2505 or mpi 5004 or mpi5004 or neotrexate\$2 or nordimet\$2 or novatrex\$2 or nsc 740 or nsc740 or otrexup\$2 or r 9985 or r9985 or rasuvo\$2 or reditrex\$2 or reumatrex\$2 or rheumatrex\$2 or texate\$2 or texorate\$2 or tremetex\$2 or trexall\$2 or trexeron\$2 or wr 19039 or wr19039 or xaken\$2 or xatmep\$2 or zexate\$2 or zlatal\$2 or YL5FZ2Y5U1 or 3IG1E710ZN or 133073-73-1 or 15475-56-6 or 51865-79-3 or 59-05-2 or 60388-53-6 or 86669-44-5).tw,kw,kf,ot,hw,rn,nm. (291643)

17 Colchicine/ (55988)

18 (colchicine or aqua colchin\$2 or colchichine\$2 or colchicin\$2 or colchicina\$2 or colchicinum\$2 or colchicum\$2 or colchily\$2 or colchimedio\$2 or colchineos\$2 or colchiquim\$2 or colchisol\$2 or colchysat\$2 or colcin\$2 or colcine\$2 or colcrys\$2 or colctab\$2 or colgout\$2 or colrefuz\$2 or colsaloid\$2 or colstat\$2 or condylon\$2 or gloperba\$2 or goutichine\$2 or goutnil\$2 or kolkicin\$2 or kolkisin\$2 or mitigare\$2 or "mpc 004" or mpc004 or myinfla\$2 or tolchicine\$2 or SML2Y3J35T or 54192-66-4 or 64-86-8 or 75520-89-7).tw,kw,kf,ot,hw,rn,nm. (69246)

19 Dapsone/ (26723)

20 (dapsone or aczone\$2 or atrisone\$2 or avlosulfan\$2 or avlosulfon\$2 or avlosulfone\$2 or bn 2405 or bn2405 or croysulfone\$2 or dapsoderm\$2 or dapson\$2 or dapsona\$2 or diamino diphenyl sulfone\$2 or diaminodiphenyl sulfone\$2 or diaminodiphenylosulfone\$2 or diaminodiphenylsulfon\$2 or diaminodiphenylsulfone\$2 or diammodiphenylsulfone\$2 or diaphenyl sulfone\$2 or diaphenylsulfon\$2 or diaphenylsulfone\$2 or diaphenylsulphone\$2 or diphenason\$2 or diphenasone\$2 or diphone\$2 or disulone\$2 or dopsan\$2 or dunitone\$2 or eporal\$2 or f 1358 or f1358 or lepravir\$2 or novasulfon\$2 or novophone\$2 or servidapson\$2 or servidapsone\$2 or sulfadione\$2 or sulfadoine\$2 or sulfona\$2 or sulfone mere\$2 or udolac\$2 or 8W5C518302 or 80-08-0).tw,kw,kf,ot,hw,rn,nm. (65909)

21 Indomethacin/ (112669)

22 (indomethacin or algiflam\$2 or algometacin\$2 or amuno\$2 or antalgin dialicels\$2 or areumatin\$2 or argilex\$2 or arthrexin\$2 or articulen\$2 or artracin\$2 or artrilona\$2 or artrinovo\$2 or artrocid\$2 or asimet\$2 or benocid\$2 or betacin\$2 or bonidon\$2 or boutycin\$2 or catlep\$2 or chrono indocid\$2 or chronoindocid\$2 or confortid\$2 or docin\$2 or dolazal\$2 or dolazol\$2 or dolcidium\$2 or dometin\$2 or durametacin\$2 or elmego spray\$2 or elmetacin\$2 or endometacin\$2 or flamaret\$2 or flexin continus\$2 or grindocin\$2 or helvecin\$2 or idicin\$2 or im-75 or imbrilon\$2 or imet\$2 or inacid\$2 or indacin\$2 or indaflex\$2 or indalgin\$2 or inderapollon\$2 or indicin\$2 or indo phlogont\$2 or indo-lemmon\$2 or indo-tablinen\$2 or indocap\$2 or indocid\$2 or indocin\$2 or indocolir\$2 or indocollyre\$2 or indogesic\$2 or indolag\$2 or indolar\$2 or indolemmon\$2 or indomecin\$2 or indomed\$2 or indomee\$2 or indomelan\$2 or indomelol\$2 or indomet\$2 or indometacin\$2 or indometacine\$2 or indomethacin\$2 or indomethacine\$2 or indomethacinum\$2 or indomethegan\$2 or indometicina\$2 or indometin\$2 or indomexum\$2 or indomin\$2 or indono\$2 or indoptic\$2 or indoptol\$2 or indorektal\$2 or indorem\$2 or indos\$2 or indosan\$2 or indosima\$2 or indosmos\$2 or indotard\$2 or indovis\$2 or indoxen\$2 or indoy\$2 or indren\$2 or indrenin\$2 or indylon\$2 or inflazon\$2 or inmetsin\$2 or inteban\$2 or lauzit\$2 or luiflex\$2 or malival\$2 or mcn r 1166 or mcn r1166 or metacen\$2 or methacin\$2 or methindol\$2 or methindole\$2 or methocaps\$2 or metindol\$2 or mezolin\$2 or miometacen\$2 or mk 615 or mk615 or mobilan\$2 or novomethacin\$2 or osmogit\$2 or osmosin\$2 or reumacid\$2 or reusin\$2 or rheumacid\$2 or rheumacin\$2 or salinac\$2 or servimeta\$2 or sidocin\$2 or tannex\$2 or taye\$2 or tivorbex\$2 or vi-gel\$2 or vonum\$2 or XXE1CET956 or 104614-77-9 or 113560-66-0 or 125770-88-9 or 28811-31-6 or 28811-32-7 or 53-86-1 or 58201-41-5 or 62509-41-5 or 70938-94-2 or 74252-25-8 or 7681-54-1 or 86947-68-4 or 88170-06-3).tw,kw,kf,ot,hw,rn,nm. (144852)

23 Hydroxychloroquine/ (51372)

24 (hydrochloroquine or chloroquinol\$2 or dolquine\$2 or ercoquin\$2 or hydroxychlorochin\$2 or oxychlorochin\$2 or oxychloroquine\$2 or plaquenil\$2 or polirreumin\$2 or quensyl\$2 or sn 8137 or sn8137 or tlc 19 tlc19 or win 1258 or win1258 or 4QWG6N8QKH or 8Q2869CNVH or 118-42-3 or 747-36-4).tw,kw,kf,ot,hw,rn,nm. (49493)

25 Doxepin/ (11097)

- 26 (doxepin or adapin\$2 or anten\$2 or aponal\$2 or co dox\$2 or curatin\$2 or depretran\$2 or desidox\$2 or doneurin\$2 or doxal\$2 or doxepia\$2 or doxepine\$2 or expadox\$2 or expan\$2 or gilex\$2 or mareen\$2 or p 3693a or p3693a or prudoxin\$2 or quitaxon\$2 or silenor\$2 or sinequan\$2 or sinquan\$2 or sinquane\$2 or xepin\$2 or zonalon\$2).tw,kw,kf,ot,hw,rn,nm. (293600)
- 27 Capsaicin/ (35049)
- 28 (capsaicin or abc-pflaster\$2 or adlea\$2 or algrx 4975 or algrx4975 or axsain\$2 or biozone\$2 or capsaicine\$2 or capsicaine\$2 or capsicum\$2 or capsidol\$2 or capsig\$2 or captrix\$2 or capzasin\$2 or casacine\$2 or cgs 200 or cgs200 or cntx 4975 or cntx4975 or dolenon\$2 or dolorac\$2 or gelcen\$2 or katrum\$2 or ngx 1998 or ngx1998 or ngx 4010 or ngx4010 or qutenza\$2 or styptysat\$2 or transacin\$2 or zacin\$2 or zostrix\$2 or S07O44R1ZM or 404-86-4).tw,kw,kf,ot,hw,rn,nm. (53646)
- 29 Ephedrine/ (22533)
- 30 (ephedrine or biophedrin\$2 or eciphin\$2 or efedra\$2 or efedrin\$2 or efedrine\$2 or efidrin\$2 or eggophedrin\$2 or ephadrosan\$2 or ephalone\$2 or ephedra\$2 or ephedral\$2 or ephedrin\$2 or ephedrosan\$2 or ephedrosst\$2 or et 203 or et203 or fedrin\$2 or i sedrin\$2 or kratedyn\$2 or mandrin\$2 or neo fedrin\$2 or primatene\$2 or rezipres\$2 or sanedrin\$2 or sanedrine\$2 or zephrol\$2 or GN83C131XS or NLJ6390P1Z or U6X61U5ZEG or 299-42-3).tw,kw,kf,ot,hw,rn,nm. (30351)
- 31 Famotidine/ (12533)
- 32 (famotidine or agufam\$2 or amfamox\$2 or antodine\$2 or apogastine\$2 or ausfam\$2 or beilande\$2 or bestidine\$2 or blocacid\$2 or brolin\$2 or cepal\$2 or durater\$2 or ep 335 or ep335 or facid\$2 or fadin\$2 or fadine\$2 or fadul\$2 or fafotin\$2 or famoabz\$2 or famoc\$2 or famocid\$2 or famodar\$2 or famodil\$2 of famodin\$2 or famodine\$2 or famogal\$2 or gamogard\$2 or gamogast\$2 or famohexal\$2 or famolta\$2 or famonerton\$2 or famopril\$2 or famopsin\$2 or famos\$2 or famosan\$2 or famosia\$2 or famotal\$2 or famotep\$2 or famotin\$2 or famotine\$2 or famowal\$2 or famox\$2 or famoxal\$2 or fanox\$2 or fararidin\$2 or farmotex\$2 or farotin\$2 or ferotine\$2 or fibonel\$2 or fluxid\$2 or foxadul\$2 or fudone\$2 or fuweidin\$2 or ganor\$2 or gardin\$2 or gaster\$2 or gastren\$2 or gastridin\$2 or gastrion\$2 or gastro\$2 or gastrodomina\$2 or gastroflux\$2 or h2 bloc or incifam\$2 or kemofam\$2 or kimodin\$2 or l 643341 or l643341 or mk 208 or mk208 or motiax\$2 or motidine\$2 or pectidine\$2 or pepcid\$2 or pepcidin\$2 or pepcidina\$2 or pepcidine\$2 or pepdif\$2 or pepdine\$2 or pepdul\$2 or pepfamin\$2 or peptan\$2 or pepticon\$2 or peptifam\$2 or pepzan\$2 or purifam\$2 or quamatel\$2 or quamtel\$2 or rapitab\$2 or restadin\$2 or rogasti\$2 or sedanium\$2 or stadin\$2 or stomax\$2 or supertidine\$2 or tamin\$2 or topcid\$2 or ulcatif\$2 or ulcefam\$2 or ulcelac\$2 or ulcenol\$2 or ulcetrax\$2 or ulcofam\$2 or ulcusan\$2 or ulfadin\$2 or ulfagel\$2 or ulfam\$2 or ulfamid\$2 or ulped\$2 or voker\$2 or weimok\$2 or winiful\$2 or wiretin\$2 or yamarin\$2 or ym 11170 or ym11170 or 5QZO15J2Z8 or 108885-67-2 or 76824-35-6).tw,kw,kf,ot,hw,rn,nm. (112717)
- 33 (montelukast or actamone\$2 or airathon\$2 or aircast\$2 or airing\$2 or alvokast\$2 or apilone\$2 or ascafi\$2 or ascolin\$2 or asmenol\$2 or asprevent\$2 or astecon\$2 or asthator\$2 or asthmasan\$2 or asthmont\$2 or astmirex\$2 or astmodil\$2 or atentus\$2 or atlabiclo\$2 or belokast\$2 or brolyt\$2 or castispir\$2 or chesmon\$2 or deprive\$2 or elukan\$2 or elunkast\$2 or eonic\$2 or ephyra\$2 or filkast\$2

or fulmont\$2 or imvlo\$2 or ispyrra\$2 or jepafex\$2 or kipres\$2 or l 706631 or l706631 or lanair\$2 or leukast\$2 or lukair\$2 or lukanof\$2 or lukas aiwa\$2 or lukasm\$2 or lukastang\$2 or lukavent\$2 or melarth\$2 or metigreunul\$2 or milukante\$2 or mintalos\$2 or miralust\$2 or "mk 0476" or mk 476 or mk0476 or modrian\$2 or modulair\$2 or mofenstra\$2 or mokast\$2 or molucar\$2 or monalux\$2 or monart\$2 or monast\$2 or moncas\$2 or mondeo\$2 or monkasta\$2 or monlast\$2 or monlucare\$2 or monspes\$2 or monstonol\$2 or montair\$2 or montast\$2 or montecell\$2 or montecon\$2 or montefar\$2 or montegen\$2 or montek\$2 or montelair\$2 or montelak\$2 or montelar\$2 or montelex\$2 or montelax\$2 or montelubronch\$2 or montelucaste\$2 or montelukast\$2 or montelukaste\$2 or montelukastteva\$2 or montelukastum\$2 or montelukasturn\$2 or montelux\$2 or montemyl\$2 or montep\$2 or monterast\$2 or monteresp\$2 or montespir\$2 or montewin\$2 or montexal\$2 or monthan\$2 or montol\$2 or montul\$2 or montus\$2 or moolpas\$2 or nal 6336 or nal6336 or orilukast\$2 or otelus\$2 or pentafeno\$2 or perasm\$2 or pluralais\$2 or pneumo-kast\$2 or promonta\$2 or rasec\$2 or relukas\$2 or respilukas\$2 or romilast\$2 or saslong\$2 or singodem\$2 or singulair\$2 or singulergy\$2 or solok\$2 or spirokast\$2 or spiromon\$2 or stangen\$2 or surfair\$2 or symlukast\$2 or telelux\$2 or telukast\$2 or teluki\$2 or tevalukast\$2 or thordel\$2 or valnuen\$2 or velukast\$2 or xaira\$2 or yekast\$2 or zakomoxit\$2 or MHM278SD3E or U103J18SFL or 158966-92-8).tw,kw,kf,ot,hw,rn,nm. (98508)

34 (zafirlukast or accolate\$2 or accoleit\$2 or aeronix\$2 or ici 204219 or ici204219 or olmoran\$2 or respix\$2 or vanticon\$2 or zafirst\$2 or zuvair\$2 or XZ629S5L50 or 107753-78-6).tw,kw,kf,ot,hw,rn,nm. (3687)

35 Nizatidine/ (2709)

36 (nizatidine or acinon\$2 or actidine\$2 or antizid\$2 or axadine\$2 or axid\$2 or calmaxid\$2 or cronizat\$2 or distaxid\$2 or dixtasid\$2 or gastrax\$2 or jadin\$2 or ly 139037 or ly139037 or nacid\$2 or naxidine\$2 or nixaxid\$2 or nizax\$2 or panaxid\$2 or tazac\$2 or tinza\$2 or ulxit\$2 or zanitidine\$2 or zanitin\$2 or zanizal\$2 or zatidine\$2 or zinga\$2 or zl 101 or zl101 or P41PML4GHR or 76963-41-2).tw,kw,kf,ot,hw,rn,nm. (10794)

37 Ranitidine/ (33927)

38 (ranitidine or achedos\$2 or acidex\$2 or aciloc\$2 or acloral\$2 or acran\$2 or ah 19065 or ah19065 or aldin\$2 or alquen\$2 or anistal\$2 or antagonin\$2 or ardoral\$2 or atural\$2 or ausran\$2 or avintac\$2 or axoban\$2 or azantac\$2 or baroxal\$2 or biotidin\$2 or consec\$2 or coralen\$2 or cygran\$2 or d 14951 or d14951 or duractin\$2 or eltidine\$2 or eu-ran\$2 or ezopta\$2 or galidrin\$2 or gastran\$2 or gastrial\$2 or gastridina\$2 or gastrosedol\$2 or hexer\$2 or histac\$2 or histak\$2 or hyzan\$2 or incid\$2 or istomar\$2 or iqfadina\$2 or kemoranin\$2 or kiradin\$2 or logast\$2 or lumaren\$2 or lydin\$2 or mauran\$2 or microtid\$2 or midaven\$2 or nadine\$2 or neoceptin\$2 or pilorex\$2 or ponaltin\$2 or ptinolin\$2 or quantor\$2 or quicran\$2 or r-loc\$2 or radinat\$2 or radine\$2 or rafitaz\$2 or ranacid\$2 or rancet\$2 or randin\$2 or "rani 2" or raniel\$2 or raniben\$2 or ranibloc\$2 or ranicalm\$2 or ranidil\$2 or ranidine\$2 or ranidura\$2 or ranigast\$2 or ranihexal\$2 or ranimex\$2 or ranin\$2 or raniogas\$2 or raniplex\$2 or ranisan\$2 or ranisen\$2 or ranitab\$2 or ranital\$2 or ranitax\$2 or raniter\$2 or ranitidin\$2 or ranitidina\$2 or ranitil\$2 or ranitin\$2 or ranitine\$2 or ranolta\$2 or rantac\$2 or rantacid\$2 or rantin\$2 or ranuber\$2 or ranzac\$2 or ratic\$2 or raticina\$2 or raxide\$2 or retamin\$2 or rolan\$2 or rosimol\$2 or sampep\$2 or simetac\$2 or sostril\$2 or tanidina\$2 or taural\$2 or terodul\$2 or toriol\$2 or ulcaid\$2 or ulceran\$2 or ulcex\$2 or ulcin\$2

- or ulcocr\$2 or ulsal\$2 or ultak\$2 or ultidine\$2 or urantac\$2 or verlost\$2 or vesyca\$2 or vizerul\$2 or weichilin\$2 or weidos\$2 or xanidine\$2 or zantab\$2 or zantac\$2 or zantadin\$2 or zantic\$2 or zinetac\$2 or 884KT10YB7 or BK76465IHM or 66357-35-5 or 66357-59-3).tw,kw,kf,ot,hw,rn,nm. (53625)
- 39 or/1-38 [OMALIZUMAB + OTHER DRUGS OF INTEREST] (1741865)
- 40 Chronic Urticaria/ (7634)
- 41 Urticaria/ and Chronic Disease/ (3753)
- 42 ((idiopathic* or spontaneous*) adj2 urticaria*).tw,kw,kf. (7343)
- 43 (CIU adj1 CSU).tw,kw,kf. (209)
- 44 ((CIU or CSU) adj6 urticaria*).tw,kw,kf. (3481)
- 45 ((autoimmun* or auto-immun*) adj2 urticaria*).tw,kw,kf. (787)
- 46 or/40-45 [CHRONIC SPONTANEOUS URTICARIA] (14185)
- 47 39 and 46 [OMALIZUMAB + OTHER DRUGS - CHRONIC SPONTANEOUS URTICARIA] (6023)
- 48 exp Animals/ not Humans/ (17567483)
- 49 47 not 48 [ANIMAL-ONLY REMOVED] (4910)
- 50 (editorial or news or newspaper article).pt. (1651561)
- 51 49 not 50 [OPINION PIECES REMOVED] (4841)
- 52 (exp Child/ or exp Infant/) not (exp Adult/ or Adolescent/) (3594454)
- 53 51 not 52 [CHILD-, INFANT-ONLY REMOVED] (4671)
- 54 limit 53 to yr="2005-current" [DATE LIMIT APPLIED] (3709)
- 55 54 use medall [MEDLINE RECORDS] (1090)
- 56 omalizumab/ (13780)
- 57 (omalizumab or ct-p39 or ctp39 or fb 317 or fb317 or gbr 310 or gbr310 or hu 901 or hu901 or ige 25 or ige25 or "ige 025" or ige025 or olizumab\$2 or rg 3648 or rg3648 or rhumab 25 or rhumab e25 or "sti 004" or sti004 or "syn 008" or syn008 or xolair\$2 or 2p471x1z11 or 242138-07-4).tw,kw,kf,ot,hw,rn. (16248)
- 58 ((anti-IgE or antiIlgE) adj4 (antibod* or anti-bod*)).tw,kw,kf,ot. (3411)
- 59 loratadine/ (8677)
- 60 (loratadine or aerotina\$2 or alavert\$2 or alerfast\$2 or alernitis\$2 or alerpriv\$2 or alertadin\$2 or alertrin\$2 or allerta\$2 or allertyn\$2 or allohex\$2 or ambrace\$2 or analergal\$2 or anhissen\$2 or anlos\$ or ardin\$2 or biloina\$2 or bonalerg\$2 or caradine\$2 or carin\$2 or civeran\$2 or clalodine\$2 or claratyne\$2 or clarid\$2 or clarium\$2 or claritin\$2 or claritine\$2 or clarityn\$2 or clarityne\$2 or cronitin\$2 or cronopen\$2 or curyken\$2 or demazin\$2 or ezasmin\$2 or ezede\$2 or finska\$2 or frenaler\$2 or fristamin\$2 or genadine\$2 or halodin\$2 or hislorex\$2 or histalor\$2 or histaloran\$2 or j-tadine\$2 or klarihist\$2 or klinset\$2 or laredine\$2 or lergia\$2 or lertamine\$2 or lesidas\$2 or lindine\$2 or lisino\$2 or lobeta\$2 or lodain\$2 or lora-lich\$2 or lora-tabs\$2 or lorabasics\$2 or loracert\$2 or loraclar\$2 or loraderm\$2 or

loradex\$2 or loradif\$2 or loradin\$2 or lorahist\$2 or loralg\$2 or lorano\$2 or loranox\$2 or lorantis\$2 or lorapaed\$2 or lorastine\$2 or loratadura\$2 or loratan\$2 or loratazine\$2 or loratidin\$2 or loratidine\$2 or loraton\$2 or loratrim\$2 or loratyne\$2 or loraver\$2 or loraxin\$2 or loreen\$2 or lorfast\$2 or lorihis\$2 or lorin\$2 or lorita\$2 or loritine\$2 or lotadine\$2 or lotarin\$2 or lowadina\$2 or mosedin\$2 or noratin\$2 or notamin\$2 or nularef\$2 or onemin\$2 or optimin\$2 or polaratyne\$2 or proactin\$2 or pylor\$2 or restamine\$2 or ridamin\$2 or rihest\$2 or rinityn\$2 or rityne\$2 or roletra\$2 or rotifar\$2 or sanelor\$2 or sch-2985 or sch2985 or sch 29851 or sch29851 or sensibit\$2 or sohotin\$2 or tadine\$2 or tidilor\$2 or tirlor\$2 or toradine\$2 or velodan\$2 or versal\$2 or voratadine\$2 or zeos\$2 or 7AJ03B07QN or 79794-75-5).tw,kw,kf,ot,hw,rn. (357578)

61 fexofenadine/ (5072)

62 (fexofenadine or allegra\$2 or allegratab\$2 or almerg\$2 or fexallegra\$2 or fexofenadin\$2 or fexofenadine\$2 or "m 016455" or m016455 or mdl 16455 or mdl16455 or mdl 16455a or mdl16455a or telfast\$2 or treathay\$2 or E6582LOH6V or 138452-21-8).tw,kw,kf,ot,hw,rn. (7243)

63 desloratadine/ (2786)

64 (desloratadine or aerius\$2 or alerdin\$2 or aleric\$2 or allex\$2 or aviant\$2 or azomyr\$2 or claramax\$2 or clarinex\$2 or dasselta\$2 or decarbethoxyloratadine\$2 or denosin\$2 or desalergo\$2 or desalex\$2 or descarboethoxyloratadine\$2 or deslor\$2 or escontral\$2 or mk 4117 or mk4117 or neoclaritine\$2 or neoclarityn\$2 or opulis\$2 or sch 34117 or sch34117 or sinalerg\$2 or supraler\$2 or FVF865388R or 100643-72-9 or 100643-71-8).tw,kw,kf,ot,hw,rn. (4332)

65 cetirizine/ (11114)

66 (cetirizine or ac 170 or ac170 or acidrine\$2 or actifed allergie\$2 or adezio\$2 or agelmin\$2 or alairgix\$2 or alercet\$2 or alerid\$2 or alerlisin\$2 or alertop\$2 or alerviden\$2 or aletir\$2 or alled\$2 or aller tec\$2 or allertec\$2 or alltec\$2 or alzytec\$2 or benaday\$2 or benadryl\$2 or betarhin\$2 or cabal\$2 or cerazine\$2 or cerini\$2 or cerotec\$2 or cesta\$2 or cetalerg\$2 or ceterifug\$2 or cethis\$2 or ceti tab\$2 or ceti-puren\$2 or cetilich\$2 or cetiderm\$2 or cetidura\$2 or cetil von ct \$2 or cetimin\$2 or cetin\$2 or cetirigamma\$2 or cetirax\$2 or cetirin\$2 or cetirizin\$2 or cetirizina\$2 or cetirizinum\$2 or cetirlan\$2 or cetizin\$2 or cetrimed\$2 or cetrine\$2 or cetrizet\$2 or cetrizin\$2 or cetryn\$2 or cetymin\$2 or cistmine\$2 or deallergy\$2 or drill allergie\$2 or falergi\$2 or finallerg\$2 or formistin\$2 or generit\$2 or histazine\$2 or histica\$2 or humex\$2 or incidal-od\$2 or jdp 205 or jdp205 or jdp 207 or jdp207 or lergium\$2 or livoreactine\$2 or nosemin\$2 or nosmin\$2 or ot 1001 or ot1001 or ozen\$2 or "p 071" or p071 or piriteze allergy\$2 or pollenase\$2 or pollenshield\$2 or prixlae\$2 or quzyttir\$2 or qzytir\$2 or raingen\$2 or razene\$2 or reactine\$2 or rhizin\$2 or risima\$2 or ritecam\$2 or ryvel\$2 or ryzen\$2 or sancotec\$2 or selitex\$2 or setizin\$2 or setir\$2 or simtec\$2 or sutac\$2 or symitec\$2 or terizin\$2 or terizine\$2 or vick-zyrt\$2 or virlix\$2 or voltric\$2 or xarlin\$2 or zenriz\$2 or zensil\$2 or zeran\$2 or zertine\$2 or zerviate\$2 or zetir\$2 or zicet\$2 or zinex\$2 or ziptek\$2 or ziralton\$2 or zirtec\$2 or zirtek\$2 or zirtin\$2 or zyllergy\$2 or zymed\$2 or zyrac\$2 or zyrazine\$2 or zyrcon\$2 or zyrlex\$2 or zyrtec\$2 of zyrtecset\$2 or zyrtek\$2 or YO7261ME24 or 640047KTOA or 83881-51-0 or 83881-52-1).tw,kw,kf,ot,hw,rn. (32708)

67 levocetirizine/ (2282)

- 68 (levocetirizine or allerwet\$2 or cetimar\$2 or levocetira\$2 or levocetirizina\$2 or levrix\$2 or muntel\$2 or novocetrin\$2 or rinozal\$2 or sopras\$2 or vozet\$2 or xarlin\$2 or xazal\$2 or xozal\$2 or xusal\$2 or xyzal\$2 or xyzall\$2 or 6U5EA9RT20 or SOD6A38AGA or W69HSF2416 or 130018-77-8 or 130018-77-8).tw,kw,kf,ot,hw,rn. (3212)
- 69 diphenhydramine/ (30625)
- 70 (diphenhydramine or alledryl\$2 or allerdryl\$2 or allergina\$2 or amidryl\$2 or antistominum\$2 or antomin\$2 or bagodryl\$2 or banaril\$2 or baramine\$2 or beldin\$2 or belix\$2 or benachlor\$2 or benadril\$2 or benadrin\$2 or benadryl\$2 or benadyl\$2 or benapon\$2 or benhydramin\$2 or benocten\$2 or benodin\$2 or benodine\$2 or benylan\$2 or benylin\$2 or benzantine\$2 or benzhydramine\$2 or benzhydri\$2 or betramin\$2 or broncho d\$2 or caladryl\$2 or carphenamine\$2 or carphenex\$2 or cathejell\$2 or compoz\$2 or dabylen\$2 or debendrin\$2 or dermistina\$2 or dermodrin\$2 or desentol\$2 or diabenyl\$2 or diabylen\$2 or dibadorm\$2 or dibendrin\$2 or dibenil\$2 or dibondrin\$2 or dibondrin\$2 or difedryl\$2 or difenhydramin\$2 or difenhydramine\$2 or dihidral\$2 or dimedrol\$2 or dimedryl\$2 or dimidril\$2 or dimiril\$2 or diphantine\$2 or diphedryl\$2 or diphen\$2 or diphenacen\$2 or diphendramine\$2 or diphenhydramide\$2 or diphenhydramin\$2 or diphenydramine\$2 or diphenylhydramin\$2 or diphenylhydramine\$2 or dobacen\$2 or dormin\$2 or dryhistan\$2 or drylistan\$2 or dylamon\$2 or dytan\$2 or emesan\$2 or histaxin\$2 or histergan\$2 or hyadrine\$2 or hydramine\$2 or hyrexin\$2 or ibiodral\$2 or medidryl\$2 or mephadryl\$2 or nausen\$2 or neosynodorm\$2 or novamina\$2 or nytol quickgels\$2 or pm 255 or pm255 or probedryl\$2 or q-dryl\$2 or reisegold\$2 or resmin\$2 or restamin\$2 or sediat\$2 or sedryl\$2 or silphen\$2 or sleepeze\$2 or sominex\$2 or syntedril\$2 or trux-adryl\$2 or tzoali\$2 or unisom sleepgels\$2 or valdrene\$2 or valu-dryl\$2 or venasmin\$2 or vertirosan\$2 or "vicks formula 44" or vilbin\$2 or wehdryl\$2 or ziradryl\$2 or 8GTS82S83M or 40D433S209 or TC2D6JAD40 or 147-24-0 or 58-73-1 or 88637-37-0).tw,kw,kf,ot,hw,rn. (126431)
- 71 hydroxyzine/ (12113)
- 72 (hydroxyzine or abacus\$2 or "ah3 n" or antizine\$2 or arcanax\$2 or atarax\$2 or ataraxone\$2 or aterax\$2 or attarax\$2 or bestalin\$2 or bobsule\$2 or centilax\$2 or cerax\$2 or darax\$2 or disron\$2 or dormirex\$2 or durrax\$2 or efidac\$2 or hiderax\$2 or hizin\$2 or hydroxizine\$2 or hyzine\$2 or idroxizina\$2 or iremofar\$2 or iterax\$2 or novohydroxyzin\$2 or orgatraz\$2 or otarex\$2 or paxistil\$2 or phymorax\$2 or postarax\$2 or prurid\$2 or qualidrozone\$2 or quiess\$2 or "r-rax" or "tran q" or trandozine\$2 or tranquijust\$2 or ucb 4492 or ucb4492 or ucerax\$2 or unamine\$2 or vistacot\$2 or vistaject\$2 or vistaril\$2 or 30S50YM8OG or 76755771U3 or M20215MUFR or 10246-75-0 or 2192-20-3 or 68-88-2).tw,kw,kf,ot,hw,rn. (14549)
- 73 methotrexate/ (257024)
- 74 (methotrexate or "a methopterin" or abitextrate\$2 or abitrexate\$2 or "adx 2191" or adx2191 or amethopterin\$2 or amethopterin\$2 or amethopterin\$2 or antifolan\$2 or biotrexate\$2 or brimexate\$2 or canceren\$2 or cl 14377 or cl14377 or emt 25299 or emt25299 or emtexate\$2 or emthexat\$2 or emthexate\$2 or emtrexate\$2 or enthexate\$2 or farmitrexat\$2 or farmitrexate\$2 or farmotrex\$2 or folex\$2 or ifamet\$2 or imeth\$2 or intradose MTX or jylamvo\$2 or lantarel\$2 or ledertrexate\$2 or lumexon\$2 or maxtrex\$2 or metatrexan\$2 or metex\$2 or methoblastin\$2 or methohexate\$2 or methotrate\$2 or methotrexat\$2 or methotrexate\$2 or methotrexato\$2 or methotrexate\$2 or

methotrexate\$2 or methylaminopterin\$2 or methylaminopterin\$2 or metecil\$2 or metoject\$2 or metothrexate\$2 or metotrexat\$2 or metotrexate\$2 or metotrexin\$2 or metrex\$2 or metrotex\$2 or mexate\$2 or mpi 2505 or mpi2505 or mpi 5004 or mpi5004 or neotrexate\$2 or nordimet\$2 or novatrex\$2 or nsc 740 or nsc740 or otrexup\$2 or r 9985 or r9985 or rasuvo\$2 or reditrex\$2 or reumatrex\$2 or rheumatrex\$2 or texate\$2 or texorate\$2 or tremetex\$2 or trexall\$2 or trexeron\$2 or wr 19039 or wr19039 or xaken\$2 or xatmep\$2 or zexate\$2 or zlatal\$2 or YL5FZ2Y5U1 or 3IG1E710ZN or 133073-73-1 or 15475-56-6 or 51865-79-3 or 59-05-2 or 60388-53-6 or 86669-44-5). tw,kw,kf,ot,hw,rn. (291642)

75 colchicine/ (55988)

76 (colchicine or aqua colchin\$2 or colchichine\$2 or colchicin\$2 or colchicina\$2 or colchicinum\$2 or colchicum\$2 or colchily\$2 or colchimedio\$2 or colchineos\$2 or colchiquim\$2 or colchisol\$2 or colchysat\$2 or colcin\$2 or colcine\$2 or colcrys\$2 or colctab\$2 or colgout\$2 or colrefuz\$2 or colsaloid\$2 or colstat\$2 or condylon\$2 or gloperba\$2 or goutichine\$2 or goutnil\$2 or kolkicin\$2 or kolkisin\$2 or mitigare\$2 or "mpc 004" or mpc004 or myinfla\$2 or tolchicine\$2 or SML2Y3J35T or 54192-66-4 or 64-86-8 or 75520-89-7).tw,kw,kf,ot,hw,rn. (69246)

77 dapsone/ (26723)

78 (dapsone or aczone\$2 or atrisone\$2 or avlosulfan\$2 or avlosulfon\$2 or avlosulfone\$2 or bn 2405 or bn2405 or croysulfone\$2 or dapsoderm\$2 or dapson\$2 or dapsona\$2 or diamino diphenyl sulfone\$2 or diaminodiphenyl sulfone\$2 or diaminodiphenylosulfone\$2 or diaminodiphenylsulfon\$2 or diaminodiphenylsulfone\$2 or diammodiphenylsulfone\$2 or diaphenyl sulfone\$2 or diaphenylsulfon\$2 or diaphenylsulfone\$2 or diaphenylsulphone\$2 or diphenason\$2 or diphenasone\$2 or diphone\$2 or disulone\$2 or dopsan\$2 or dumitone\$2 or eporal\$2 or f 1358 or f1358 or lepravir\$2 or novasulfon\$2 or novophone\$2 or servidapson\$2 or servidapsone\$2 or sulfadione\$2 or sulfadoine\$2 or sulfona\$2 or sulfone mere\$2 or udolac\$2 or 8W5C518302 or 80-08-0).tw,kw,kf,ot,hw,rn. (65115)

79 indomethacin/ (112669)

80 (indomethacin or algiflam\$2 or algometacin\$2 or amuno\$2 or antalgin dialicels\$2 or areumatin\$2 or argilex\$2 or arthrexin\$2 or articulen\$2 or artracin\$2 or artrilona\$2 or artrinovo\$2 or artrocid\$2 or asimet\$2 or benocid\$2 or betacin\$2 or bonidon\$2 or boutycin\$2 or catlep\$2 or chrono indocid\$2 or chronoindocid\$2 or confortid\$2 or docin\$2 or dolazal\$2 or dolazol\$2 or dolcidium\$2 or dometin\$2 or durametacin\$2 or elmego spray\$2 or elmetacin\$2 or endometacin\$2 or flamaret\$2 or flexin continuus\$2 or grindocin\$2 or helvecin\$2 or idicin\$2 or im-75 or imbrilon\$2 or imet\$2 or inacid\$2 or indacin\$2 or indaflex\$2 or indalgin\$2 or inderapollon\$2 or indicin\$2 or indo phlogont\$2 or indo-lemmon\$2 or indo-tablinen\$2 or indocap\$2 or indocid\$2 or indocin\$2 or indocolir\$2 or indocollyre\$2 or indogesic\$2 or indolag\$2 or indolar\$2 or indolemmon\$2 or indomecin\$2 or indomed\$2 or indomee\$2 or indomelan\$2 or indomelol\$2 or indomet\$2 or indometacin\$2 or indometacine\$2 or indomethacin\$2 or indomethacine\$2 or indomethacinum\$2 or indomethegan\$2 or indometicina\$2 or indometin\$2 or indomexum\$2 or indomin\$2 or indono\$2 or indoptic\$2 or indoptol\$2 or indorektal\$2 or indorem\$2 or indos\$2 or indosan\$2 or indosima\$2 or indosmos\$2 or indotard\$2 or indovis\$2 or indoxen\$2 or indoy\$2 or indren\$2 or indrenin\$2 or indylon\$2 or inflazon\$2 or inmetsin\$2 or inteban\$2 or lauzit\$2

- or luiflex\$2 or malival\$2 or mcn r 1166 or mcn r1166 or metacen\$2 or methacin\$2 or methindol\$2 or methindole\$2 or methocaps\$2 or metindol\$2 or mezolin\$2 or miometacen\$2 or mk 615 or mk615 or mobilan\$2 or novomethacin\$2 or osmogit\$2 or osmosin\$2 or reumacid\$2 or reusin\$2 or rheumacid\$2 or rheumacin\$2 or salinac\$2 or servimeta\$2 or sidocin\$2 or tannex\$2 or taye\$2 or tivorbex\$2 or vi-gel\$2 or vonum\$2 or XXE1CET956 or 104614-77-9 or 113560-66-0 or 125770-88-9 or 28811-31-6 or 28811-32-7 or 53-86-1 or 58201-41-5 or 62509-41-5 or 70938-94-2 or 74252-25-8 or 7681-54-1 or 86947-68-4 or 88170-06-3).tw,kw,kf,ot,hw,rn. (144838)
- 81 hydroxychloroquine/ (51372)
- 82 (hydrochloroquine or chloroquinol\$2 or dolquine\$2 or ercoquin\$2 or hydroxychlorochin\$2 or oxychlorochin\$2 or oxychloroquine\$2 or plaquenil\$2 or polirreumin\$2 or quensyl\$2 or sn 8137 or sn8137 or tlc 19 tlc19 or win 1258 or win1258 or 4QWG6N8QKH or 8Q2869CNVH or 118-42-3 or 747-36-4).tw,kw,kf,ot,hw,rn. (49476)
- 83 doxepin/ (11097)
- 84 (doxepin or adapin\$2 or anten\$2 or aponal\$2 or co dox\$2 or curatin\$2 or deptran\$2 or desidox\$2 or doneurin\$2 or doxal\$2 or doxepia\$2 or doxepine\$2 or expadox\$2 or expan\$2 or gilex\$2 or mareen\$2 or p 3693a or p3693a or prudoxin\$2 or quitaxon\$2 or silenor\$2 or sinequan\$2 or sinquan\$2 or sinquane\$2 or xepin\$2 or zonalon\$2).tw,kw,kf,ot,hw,rn. (293597)
- 85 capsaicin/ (35049)
- 86 (capsaicin or abc-pflaster\$2 or adlea\$2 or algrx 4975 or algrx4975 or axsain\$2 or biozone\$2 or capsicine\$2 or capsicaine\$2 or capsicum\$2 or capsidol\$2 or capsig\$2 or captrix\$2 or capzasin\$2 or casacine\$2 or cgs 200 or cgs200 or cntx 4975 or cntx4975 or dolenon\$2 or dolorac\$2 or gelcen\$2 or katrum\$2 or ngx 1998 or ngx1998 or ngx 4010 or ngx4010 or qutenza\$2 or styptysat\$2 or transacin\$2 or zacin\$2 or zostrix\$2 or S07044R1ZM or 404-86-4).tw,kw,kf,ot,hw,rn. (53632)
- 87 ephedrine/ (22533)
- 88 (ephedrine or biophedrin\$2 or eciphin\$2 or efedra\$2 or efedrin\$2 or efedrine\$2 or efidrin\$2 or eggophedrin\$2 or ephadrosan\$2 or ephalone\$2 or ephedra\$2 or ephedral\$2 or ephedrin\$2 or ephedrosan\$2 or ephedrosst\$2 or et 203 or et203 or fedrin\$2 or i sedrin\$2 or kratedyn\$2 or mandrin\$2 or neo fedrin\$2 or primatene\$2 or rezipres\$2 or sanedrin\$2 or sanedrine\$2 or zephrol\$2 or GN83C131XS or NLJ6390P1Z or U6X61U5ZEG or 299-42-3).tw,kw,kf,ot,hw,rn. (30351)
- 89 famotidine/ (12533)
- 90 (famotidine or agufam\$2 or amfamox\$2 or antodine\$2 or apogastine\$2 or ausfam\$2 or beilande\$2 or bestidine\$2 or blocacid\$2 or brolin\$2 or cepal\$2 or durater\$2 or ep 335 or ep335 or facid\$2 or fadin\$2 or fadine\$2 or fadul\$2 or fafotin\$2 or famoabz\$2 or famoc\$2 or famocid\$2 or famodar\$2 or famodil\$2 of famodin\$2 or famodine\$2 or famogal\$2 or gamogard\$2 or gamogast\$2 or famohexal\$2 or famolta\$2 or famonerton\$2 or famopril\$2 or famopsin\$2 or famos\$2 or famosan\$2 or famosia\$2 or famotal\$2 or famotep\$2 or famotin\$2 or famotine\$2 or famowal\$2 or famox\$2 or famoxal\$2 or fanox\$2 or fararidin\$2 or farmotex\$2 or farotin\$2 or ferotine\$2 or fibonel\$2 or fluxid\$2 or foxadul\$2 or fudone\$2 or fuweidin\$2 or ganor\$2 or gardin\$2 or gaster\$2 or gastren\$2 or gastridin\$2 or gastrion\$2

or gastro\$2 or gastrodomina\$2 or gastroflux\$2 or h2 bloc or incifam\$2 or kemofam\$2 or kimodin\$2 or l 643341 or l643341 or mk 208 or mk208 or motiax\$2 or motidine\$2 or pectidine\$2 or pepcid\$2 or pepcidin\$2 or pepcidina\$2 or pepcidine\$2 or pepdif\$2 or pepdine\$2 or pepdul\$2 or pepfamin\$2 or peptan\$2 or pepticon\$2 or peptifam\$2 or pepzan\$2 or purifam\$2 or quamatel\$2 or quamtel\$2 or rapitab\$2 or restadin\$2 or rogasti\$2 or sedanium\$2 or stadin\$2 or stomax\$2 or supertidine\$2 or tamin\$2 or topcid\$2 or ulcatif\$2 or ulcefam\$2 or ulcelac\$2 or ulcenol\$2 or ulcetrax\$2 or ulcofam\$2 or ulcusan\$2 or ulfadin\$2 or ulfagel\$2 or ulfam\$2 or ulfamid\$2 or ulped\$2 or voker\$2 or weimok\$2 or winiful\$2 or wiretin\$2 or yamarin\$2 or ym 11170 or ym11170 or 5QZ015J2Z8 or 108885-67-2 or 76824-35-6).tw,kw,kf,ot,hw,rn. (112680)

91 montelukast/ (11626)

92 (montelukast or actamone\$2 or airathon\$2 or aircast\$2 or airing\$2 or alvokast\$2 or apilone\$2 or ascafi\$2 or ascolin\$2 or asmenol\$2 or asprevent\$2 or astecon\$2 or asthator\$2 or asthmasan\$2 or asthmont\$2 or astmirex\$2 or astmodil\$2 or atentus\$2 or atlabiclo\$2 or belokast\$2 or brolyt\$2 or castispir\$2 or chesmon\$2 or deprive\$2 or elukan\$2 or elunkast\$2 or eonic\$2 or ephyra\$2 or filkast\$2 or fulmont\$2 or imvlo\$2 or ispyrra\$2 or jepafex\$2 or kipres\$2 or l 706631 or l706631 or lanair\$2 or leukast\$2 or lukair\$2 or lukanof\$2 or lukas aiwa\$2 or lukasm\$2 or lukastang\$2 or lukavent\$2 or melarth\$2 or metigreunul\$2 or milukante\$2 or mintalos\$2 or miralust\$2 or "mk 0476" or mk 476 or mk0476 or modrian\$2 or modulair\$2 or mofenstra\$2 or mokast\$2 or molucar\$2 or monalux\$2 or monart\$2 or monast\$2 or moncas\$2 or mondeo\$2 or monkasta\$2 or monlast\$2 or monlucare\$2 or monspes\$2 or monstonol\$2 or montair\$2 or montast\$2 or montecell\$2 or montecon\$2 or montefar\$2 or montegen\$2 or montek\$2 or montelair\$2 or montelak\$2 or montelar\$2 or montelex\$2 or montelax\$2 or montelubronch\$2 or montelucaste\$2 or montelukast\$2 or montelukaste\$2 or montelukastteva\$2 or montelukastum\$2 or montelukasturn\$2 or montelux\$2 or montemyl\$2 or montep\$2 or monterast\$2 or monteresp\$2 or montespir\$2 or montewin\$2 or montexal\$2 or monthan\$2 or montol\$2 or montul\$2 or montus\$2 or moolpas\$2 or nal 6336 or nal6336 or orilukast\$2 or otelus\$2 or pentafeno\$2 or perasm\$2 or pluralais\$2 or pneumo-kast\$2 or promonta\$2 or rasec\$2 or relukas\$2 or respilukas\$2 or romilast\$2 or saslong\$2 or singodem\$2 or singulair\$2 or singulergy\$2 or solok\$2 or spirokast\$2 or spiromon\$2 or stangen\$2 or surfair\$2 or symlukast\$2 or telelux\$2 or telukast\$2 or teluki\$2 or tevalukast\$2 or thordel\$2 or valnuen\$2 or velukast\$2 or xaira\$2 or yekast\$2 or zakomoxit\$2 or MHM278SD3E or U103J18SFL or 158966-92-8).tw,kw,kf,ot,hw,rn. (98508)

93 zafirlukast/ (2764)

94 (zafirlukast or accolate\$2 or accoleit\$2 or aeronix\$2 or ici 204219 or ici204219 or olmoran\$2 or respix\$2 or vanticon\$2 or zafirst\$2 or zuvair\$2 or XZ629S5L50 or 107753-78-6).tw,kw,kf,ot,hw,rn. (3687)

95 nizatidine/ (2709)

96 (nizatidine or acinon\$2 or actidine\$2 or antizid\$2 or axadine\$2 or axid\$2 or calmaxid\$2 or cronizat\$2 or distaxid\$2 or dixtasid\$2 or gastrax\$2 or jadin\$2 or ly 139037 or ly139037 or nacid\$2 or naxidine\$2 or nixaxid\$2 or nizax\$2 or panaxid\$2 or tazac\$2 or tinza\$2 or ulxit\$2 or zanitidine\$2 or zanitin\$2 or zanizal\$2 or zatidine\$2 or zinga\$2 or zl 101 or zl101 or P41PML4GHR or 76963-41-2).tw,kw,kf,ot,hw,rn. (10794)

- 97 ranitidine/ (33927)
- 98 (ranitidine or achedos\$2 or acidex\$2 or aciloc\$2 or acloral\$2 or acran\$2 or ah 19065 or ah19065 or aldin\$2 or alquen\$2 or anistal\$2 or antagonist\$2 or ardoral\$2 or atural\$2 or ausran\$2 or avintac\$2 or axoban\$2 or azantac\$2 or baroxal\$2 or biotidin\$2 or consec\$2 or coralen\$2 or cygran\$2 or d 14951 or d14951 or duractin\$2 or eltidine\$2 or eu-ran\$2 or ezopta\$2 or galidrin\$2 or gastran\$2 or gastrial\$2 or gastridina\$2 or gastrosedol\$2 or hexer\$2 or histac\$2 or histak\$2 or hyzan\$2 or incid\$2 or istomar\$2 or iqfadina\$2 or kemoranin\$2 or kiradin\$2 or logast\$2 or lumaren\$2 or lydin\$2 or mauran\$2 or microtid\$2 or midaven\$2 or nadine\$2 or neoceptin\$2 or pilorex\$2 or ponaltin\$2 or ptinolin\$2 or quantor\$2 or quicran\$2 or r-loc\$2 or radinat\$2 or radine\$2 or rafitaz\$2 or ranacid\$2 or rancet\$2 or randin\$2 or "rani 2" or raniel\$2 or raniben\$2 or ranibloc\$2 or ranicalm\$2 or ranidil\$2 or ranidine\$2 or ranidura\$2 or ranigast\$2 or ranihexal\$2 or ranimex\$2 or ranin\$2 or raniogas\$2 or raniplex\$2 or ranisan\$2 or ranisen\$2 or ranitab\$2 or ranital\$2 or ranitax\$2 or raniter\$2 or ranitidin\$2 or ranitidina\$2 or ranitil\$2 or ranitin\$2 or ranitine\$2 or ranolta\$2 or rantac\$2 or rantacid\$2 or rantin\$2 or ranuber\$2 or ranzac\$2 or ratic\$2 or raticina\$2 or raxide\$2 or retamin\$2 or rolan\$2 or rosimol\$2 or sampep\$2 or simetac\$2 or sostril\$2 or tanidina\$2 or taural\$2 or terodul\$2 or toriol\$2 or ulcaid\$2 or ulceran\$2 or ulcex\$2 or ulcin\$2 or ulcocur\$2 or ulsal\$2 or ultak\$2 or ultidine\$2 or urantac\$2 or verlost\$2 or vesyca\$2 or vizerul\$2 or weichilin\$2 or weidos\$2 or xanidine\$2 or zantab\$2 or zantac\$2 or zantadin\$2 or zantic\$2 or zinetac\$2 or 884KT10YB7 or BK76465IHM or 66357-35-5 or 66357-59-3).tw,kw,kf,ot,hw,rn. (53624)
- 99 or/56-98 [OMALIZUMAB + OTHER DRUGS OF INTEREST] (1736609)
- 100 chronic urticaria/ (7634)
- 101 chronic spontaneous urticaria/ (1316)
- 102 urticaria/ and exp chronic disease/ (3973)
- 103 ((idiopathic* or spontaneous*) adj2 urticaria*).tw,kw,kf. (7343)
- 104 (CIU adj1 CSU).tw,kw,kf. (209)
- 105 ((CIU or CSU) adj6 urticaria*).tw,kw,kf. (3481)
- 106 ((autoimmun* or auto-immun*) adj2 urticaria*).tw,kw,kf. (787)
- 107 or/100-106 [CHRONIC SPONTANEOUS URTICARIA] (14378)
- 108 99 and 107 [OMALIZUMAB + OTHER DRUGS - CHRONIC SPONTANEOUS URTICARIA] (6072)
- 109 (exp animal/ or exp animal experimentation/ or exp animal model/ or exp animal experiment/ or nonhuman/ or exp vertebrate/) not (exp human/ or exp human experimentation/ or exp human experiment/) (13126910)
- 110 108 not 109 [ANIMAL-ONLY REMOVED] (6029)
- 111 editorial.pt. (1416866)
- 112 110 not 111 [OPINION PIECES REMOVED] (5936)
- 113 (juvenile/ or exp adolescent/ or exp child/) not (adult/ or exp aged/ or middle aged/ or young adult/) (4510810)

- 114 112 not 113 [UNDER-18 POPULATION REMOVED] (5588)
- 115 limit 114 to yr="2005-current" [DATE LIMIT APPLIED] (4632)
- 116 115 use emczd [EMBASE RECORDS] (3199)
- 117 Omalizumab/ (13780)
- 118 (omalizumab or ct-p39 or ctp39 or fb 317 or fb317 or gbr 310 or gbr310 or hu 901 or hu901 or ige 25 or ige25 or "ige 025" or ige025 or olizumab\$2 or rg 3648 or rg3648 or rhumab 25 or rhumab e25 or "sti 004" or sti004 or "syn 008" or syn008 or xolair\$2 or 2p471x1z11 or 242138-07-4).ti,ab,kw. (11153)
- 119 ((anti-IgE or antilgE) adj4 (antibod* or anti-bod*)).ti,ab,kw. (3339)
- 120 Loratadine/ (8677)
- 121 (loratadine or aerotina\$2 or alavert\$2 or alerfast\$2 or alernitis\$2 or alerpriv\$2 or alertadin\$2 or alertrin\$2 or allerta\$2 or allertyn\$2 or allohex\$2 or ambrace\$2 or analergal\$2 or anhissen\$2 or anlos\$ or ardin\$2 or biloina\$2 or bonalerg\$2 or caradine\$2 or carin\$2 or civeran\$2 or clalodine\$2 or claratyne\$2 or clarid\$2 or clarium\$2 or claritin\$2 or claritine\$2 or clarityn\$2 or clarityne\$2 or cronitin\$2 or cronopen\$2 or curyken\$2 or demazin\$2 or ezasmin\$2 or ezede\$2 or finska\$2 or frenaler\$2 or fristamin\$2 or genadine\$2 or halodin\$2 or hislorex\$2 or histalor\$2 or histaloran\$2 or j-tadine\$2 or klarihist\$2 or klinset\$2 or laredine\$2 or lergia\$2 or lertamine\$2 or lesidas\$2 or lindine\$2 or lisino\$2 or lobeta\$2 or lodain\$2 or lora-lich\$2 or lora-tabs\$2 or lorabasics\$2 or loracert\$2 or loraclar\$2 or loraderm\$2 or loradex\$2 or loradif\$2 or loradin\$2 or lorahist\$2 or loralg\$2 or lorano\$2 or loranox\$2 or lorantis\$2 or lorapaed\$2 or lorastine\$2 or loratadura\$2 or loratan\$2 or loratazine\$2 or loratidin\$2 or loratidine\$2 or loraton\$2 or loratrim\$2 or loratyne\$2 or loraver\$2 or loraxin\$2 or loreen\$2 or lorfast\$2 or lorihis\$2 or lorin\$2 or lorita\$2 or loritine\$2 or lotadine\$2 or lotarin\$2 or lowadina\$2 or mosedin\$2 or noratin\$2 or notamin\$2 or nularef\$2 or onemin\$2 or optimin\$2 or polaratyne\$2 or proactin\$2 or pylor\$2 or restamine\$2 or ridamin\$2 or rihest\$2 or rinityn\$2 or rityne\$2 or rolettra\$2 or rotifar\$2 or sanelor\$2 or sch-2985 or sch2985 or sch 29851 or sch29851 or sensibit\$2 or sohotin\$2 or tadine\$2 or tidilor\$2 or tirlor\$2 or toradine\$2 or velodan\$2 or versal\$2 or voratadine\$2 or zeos\$2 or 7AJ03B07QN or 79794-75-5).ti,ab,kw. (316570)
- 122 (fexofenadine or allegra\$2 or allegratab\$2 or almerg\$2 or fexallegra\$2 or fexofenadin\$2 or fexofenadine\$2 or "m 016455" or m016455 or mdl 16455 or mdl16455 or mdl 16455a or mdl16455a or telfast\$2 or treathay\$2 or E6582LOH6V or 138452-21-8).ti,ab,kw. (3464)
- 123 (desloratadine or aerius\$2 or alerdin\$2 or aleric\$2 or allex\$2 or aviant\$2 or azomyr\$2 or claramax\$2 or clarinex\$2 or dasselta\$2 or decarbethoxyloratadine\$2 or denosin\$2 or desalergo\$2 or desalex\$2 or descarboethoxyloratadine\$2 or deslor\$2 or escontral\$2 or mk 4117 or mk4117 or neoclaritine\$2 or neoclarityn\$2 or opulis\$2 or sch 34117 or sch34117 or sinalerg\$2 or supraler\$2 or FVF865388R or 100643-72-9 or 100643-71-8).ti,ab,kw. (2420)
- 124 Cetirizine/ (11114)
- 125 (cetirizine or ac 170 or ac170 or acidrine\$2 or actifed allergie\$2 or adezio\$2 or agelmin\$2 or alairgix\$2 or alercet\$2 or alerid\$2 or alerlisin\$2 or alertop\$2 or alerviden\$2 or aletir\$2 or alled\$2 or aller tec\$2 or allertec\$2 or alltec\$2 or alzytec\$2 or benaday\$2 or benadryl\$2 or betarhin\$2 or cabal\$2 or

cerazine\$2 or cerini\$2 or cerotec\$2 or cesta\$2 or cetalerg\$2 or ceterifug\$2 or cethis\$2 or ceti tab\$2 or ceti-puren\$2 or cetilich\$2 or cetiderm\$2 or cetidura\$2 or cetil von ct \$2 or cetimin\$2 or cetin\$2 or cetirigamma\$2 or cetirax\$2 or cetirin\$2 or cetirizin\$2 or cetirizina\$2 or cetirizinum\$2 or cetirlan\$2 or cetizin\$2 or cetrimed\$2 or cetrine\$2 or cetrizet\$2 or cetrizin\$2 or cetryn\$2 or cetymin\$2 or cistmine\$2 or deallergy\$2 or drill allergie\$2 or falergi\$2 or finallerg\$2 or formistin\$2 or generit\$2 or histazine\$2 or histica\$2 or humex\$2 or incidal-od\$2 or jdp 205 or jdp205 or jdp 207 or jdp207 or lergium\$2 or livoreactine\$2 or nosemin\$2 or nosmin\$2 or ot 1001 or ot1001 or ozen\$2 or "p 071" or p071 or piriteze allergy\$2 or pollenase\$2 or pollenshield\$2 or prixlae\$2 or quzyttir\$2 or qzytir\$2 or raingen\$2 or razene\$2 or reactine\$2 or rhizin\$2 or risima\$2 or ritecam\$2 or ryvel\$2 or ryzen\$2 or sancotec\$2 or selitex\$2 or setizin\$2 or setir\$2 or simtec\$2 or sutac\$2 or symitec\$2 or terizin\$2 or terizine\$2 or vick-zyrt\$2 or virlix\$2 or voltric\$2 or xarlin\$2 or zenriz\$2 or zensil\$2 or zeran\$2 or zertine\$2 or zerviate\$2 or zetir\$2 or zicet\$2 or zinex\$2 or ziptek\$2 or ziralton\$2 or zirtec\$2 or zirtek\$2 or zirtin\$2 or zyllergy\$2 or zymed\$2 or zyrac\$2 or zyrazine\$2 or zyrcon\$2 or zyrlex\$2 or zyrtec\$2 of zyrtecset\$2 or zyrtek\$2 or YO7261ME24 or 640047KTOA or 83881-51-0 or 83881-52-1).ti,ab,kw. (22028)

126 (levocetirizine or allerwet\$2 or cetirmar\$2 or levocetira\$2 or levocetirizina\$2 or levrix\$2 or muntel\$2 or novocetrin\$2 or rinozal\$2 or sopras\$2 or vozet\$2 or xarlin\$2 or xazal\$2 or xozal\$2 or xusal\$2 or xyzal\$2 or xyzall\$2 or 6U5EA9RT20 or SOD6A38AGA or W69HSF2416 or 130018-77-8 or 130018-77-8).ti,ab,kw. (1680)

127 exp Diphenhydramine/ (31209)

128 (diphenhydramine or alledryl\$2 or allerdryl\$2 or allergina\$2 or amidryl\$2 or antistominum\$2 or antomin\$2 or bagodryl\$2 or banaril\$2 or baramine\$2 or beldin\$2 or belix\$2 or benachlor\$2 or benadril\$2 or benadrin\$2 or benadryl\$2 or benadyl\$2 or benapon\$2 or benhydramin\$2 or benocten\$2 or benodin\$2 or benodine\$2 or benylan\$2 or benylin\$2 or benzantine\$2 or benzhydramine\$2 or benzhydril\$2 or betramin\$2 or broncho d\$2 or caladryl\$2 or carphenamine\$2 or carphenex\$2 or cathejell\$2 or compoz\$2 or dabylen\$2 or debendrin\$2 or dermistina\$2 or dermodrin\$2 or desentol\$2 or diabenylyl\$2 or diabylen\$2 or dibadorm\$2 or dibendrin\$2 or dibenil\$2 or dibondrin\$2 or dibrondrin\$2 or difedryl\$2 or difenhydramin\$2 or difenhydramine\$2 or dihidral\$2 or dimedrol\$2 or dimedryl\$2 or dimidril\$2 or dimiril\$2 or diphantine\$2 or diphedryl\$2 or diphen\$2 or diphenacen\$2 or diphendramine\$2 or diphenhydramide\$2 or diphenhydramin\$2 or diphenydramine\$2 or diphenylhydramin\$2 or diphenylhydramine\$2 or dobacen\$2 or dormin\$2 or dryhistan\$2 or drylistan\$2 or dylamon\$2 or dytan\$2 or emesan\$2 or histaxin\$2 or histergan\$2 or hyadrine\$2 or hydramine\$2 or hyrexin\$2 or ibiodral\$2 or medidryl\$2 or mephadryl\$2 or nausen\$2 or neosynodorm\$2 or novamina\$2 or nytol quickgels\$2 or pm 255 or pm255 or probedryl\$2 or q-dryl\$2 or reisegold\$2 or resmin\$2 or restamin\$2 or sediat\$2 or sedryl\$2 or silphen\$2 or sleepeze\$2 or sominex\$2 or syntedril\$2 or trux-adryl\$2 or tzoali\$2 or unisom sleepgels\$2 or valdrene\$2 or valu-dryl\$2 or venasmin\$2 or vertirosan\$2 or "vicks formula 44" or vilbin\$2 or wehdryl\$2 or ziradryl\$2 or 8GTS82S83M or 4OD433S209 or TC2D6JAD40 or 147-24-0 or 58-73-1 or 88637-37-0).ti,ab,kw. (86385)

129 Hydroxyzine/ (12113)

- 130 (hydroxyzine or abacus\$2 or "ah3 n" or antizine\$2 or arcanax\$2 or atarax\$2 or ataraxone\$2 or aterax\$2 or attarax\$2 or bestalin\$2 or bobsule\$2 or centilax\$2 or cerax\$2 or darax\$2 or disron\$2 or dormirex\$2 or durrax\$2 or efidac\$2 or hiderax\$2 or hizin\$2 or hydroxyzine\$2 o r hyzine\$2 or idroxizina\$2 or iremofar\$2 or iterax\$2 or novohydroxyzin\$2 or orgatrx\$2 or otarex\$2 or paxistil\$2 or phymorax\$2 or postarax\$2 or prurid\$2 or qualidrozone\$2 or quiness\$2 or "r-rax" or "tran q" or trandozine\$2 or tranquijust\$2 or ucb 4492 or ucb4492 or ucerax\$2 or unamine\$2 or vistacot\$2 or vistaject\$2 or vistaril\$2 or 30S50YM8OG or 76755771U3 or M20215MUFR or 10246-75-0 or 2192-20-3 or 68-88-2).ti,ab,kw. (5011)
- 131 Methotrexate/ (257024)
- 132 (methotrexate or "a methopterin" or abitextrate\$2 or abitrexate\$2 or "adx 2191" or adx2191 or amethopterin\$2 or amethopterin\$2 or ametopterin\$2 or antifolan\$2 or biotrexate\$2 or brimexate\$2 or canceren\$2 or cl 14377 or cl14377 or emt 25299 or emt25299 or emtexate\$2 or emthexat\$2 or emthexate\$2 or emtrexate\$2 or enthexate\$2 or farmitrexat\$2 or farmitrexate\$2 or farmotrex\$2 or folex\$2 or ifamet\$2 or imeth\$2 or intradose MTX or jylamvo\$2 or lantarel\$2 or ledertrexate\$2 or lumexon\$2 or maxtrex\$2 or metatrexan\$2 or metex\$2 or methoblastin\$2 or methohexate\$2 or methotrate\$2 or methotrexat\$2 or methotrexate\$2 or methotrexato\$2 or methotrexate\$2 or methotrexate\$2 or methrotrexate\$2 or methylaminopterin\$2 or methylaminopterin\$2 or metecil\$2 or metoject\$2 or metothrexate\$2 or metotrexat\$2 or metotrexate\$2 or metotrexin\$2 or metrex\$2 or metrotex\$2 or mexate\$2 or mpi 2505 or mpi2505 or mpi 5004 or mpi5004 or neotrexate\$2 or nordimet\$2 or novatrex\$2 or nsc 740 or nsc740 or otrexup\$2 or r 9985 or r9985 or rasuvo\$2 or reditrex\$2 or reumatrex\$2 or rheumatrex\$2 or texate\$2 or texorate\$2 or tremetex\$2 or trexall\$2 or trexeron\$2 or wr 19039 or wr19039 or xaken\$2 or xatmep\$2 or zexate\$2 or zlatal\$2 or YL5FZ2Y5U1 or 3IG1E710ZN or 133073-73-1 or 15475-56-6 or 51865-79-3 or 59-05-2 or 60388-53-6 or 86669-44-5).ti,ab,kw. (143409)
- 133 Colchicine/ (55988)
- 134 (colchicine or aqua colchin\$2 or colchichine\$2 or colchicin\$2 or colchicina\$2 or colchicinum\$2 or colchicum\$2 or colchily\$2 or colchimedio\$2 or colchineos\$2 or colchiquim\$2 or colchisol\$2 or colchysat\$2 or colcin\$2 or colcine\$2 or colcrys\$2 or colctab\$2 or colgout\$2 or colrefuz\$2 or colsaloid\$2 or colstat\$2 or condylon\$2 or gloperba\$2 or goutichine\$2 or goutnil\$2 or kolkicin\$2 or kolkisin\$2 or mitigare\$2 or "mpc 004" or mpc004 or myinfla\$2 or tolchicine\$2 or SML2Y3J35T or 54192-66-4 or 64-86-8 or 75520-89-7).ti,ab,kw. (44002)
- 135 Dapsone/ (26723)
- 136 (dapson or aczone\$2 or atrisone\$2 or avlosulfan\$2 or avlosulfon\$2 or avlosulfone\$2 or bn 2405 or bn2405 or croysulfone\$2 or dapsoderm\$2 or dapson\$2 or dapsona\$2 or diamino diphenyl sulfone\$2 or diaminodiphenyl sulfone\$2 or diaminodiphenylosulfone\$2 or diaminodiphenylsulfon\$2 or diaminodiphenylsulfone\$2 or diammodiphenylsulfone\$2 or diaphenyl sulfone\$2 or diaphenylsulfon\$2 or diaphenylsulfone\$2 or diaphenylsulphone\$2 or diphenason\$2 or diphenasone\$2 or diphone\$2 or disulone\$2 or dopsan\$2 or dunitone\$2 or eporal\$2 or f 1358 or f1358 or lepravit\$2 or novasulfon\$2 or novophone\$2 or servidapson\$2 or servidapson\$2 or sulfadione\$2 or sulfadoine\$2 or sulfona\$2 or sulfone mere\$2 or udolac\$2 or 8W5C518302 or 80-08-0).ti,ab,kw. (46205)

- 137 Indomethacin/ (112669)
- 138 (indomethacin or algiflam\$2 or algometacin\$2 or amuno\$2 or antalgin dialicels\$2 or areumatin\$2 or argilex\$2 or arthrexin\$2 or articulen\$2 or artracin\$2 or artrilona\$2 or artrinovo\$2 or artrocid\$2 or asimet\$2 or benocid\$2 or betacin\$2 or bonidon\$2 or boutycin\$2 or catlep\$2 or chrono indocid\$2 or chronoindocid\$2 or confortid\$2 or docin\$2 or dolazal\$2 or dolazol\$2 or dolcidium\$2 or dometin\$2 or durametacin\$2 or elmego spray\$2 or elmetacin\$2 or endometacin\$2 or flamaret\$2 or flexin continus\$2 or grindocin\$2 or helvecin\$2 or idicin\$2 or im-75 or imbrilon\$2 or imet\$2 or inacid\$2 or indacin\$2 or indaflex\$2 or indalgin\$2 or inderapollon\$2 or indicin\$2 or indo phlogont\$2 or indo-lemmon\$2 or indo-tablinen\$2 or indocap\$2 or indocid\$2 or indocin\$2 or indocolir\$2 or indocollyre\$2 or indogesic\$2 or indolag\$2 or indolar\$2 or indolemmon\$2 or indomecin\$2 or indomed\$2 or indomee\$2 or indomelan\$2 or indomelol\$2 or indomet\$2 or indometacin\$2 or indometacine\$2 or indomethacin\$2 or indomethacine\$2 or indomethacinum\$2 or indomethegan\$2 or indometicina\$2 or indometin\$2 or indomexum\$2 or indomin\$2 or indono\$2 or indoptic\$2 or indoptol\$2 or indorektal\$2 or indorem\$2 or indos\$2 or indosan\$2 or indosima\$2 or indosmos\$2 or indotard\$2 or indovis\$2 or indoxen\$2 or indoy\$2 or indren\$2 or indrenin\$2 or indylon\$2 or inflazon\$2 or inmetsin\$2 or inteban\$2 or lauzit\$2 or luiflex\$2 or malival\$2 or mcn r 1166 or mcn r1166 or metacen\$2 or methacin\$2 or methindol\$2 or methindole\$2 or methocaps\$2 or metindol\$2 or mezolin\$2 or miometacen\$2 or mk 615 or mk615 or mobilan\$2 or novomethacin\$2 or osmogit\$2 or osmosin\$2 or reumacid\$2 or reusin\$2 or rheumacid\$2 or rheumacin\$2 or salinac\$2 or servimeta\$2 or sidocin\$2 or tannex\$2 or taye\$2 or tivorbex\$2 or vi-gel\$2 or vonum\$2 or XXE1CET956 or 104614-77-9 or 113560-66-0 or 125770-88-9 or 28811-31-6 or 28811-32-7 or 53-86-1 or 58201-41-5 or 62509-41-5 or 70938-94-2 or 74252-25-8 or 7681-54-1 or 86947-68-4 or 88170-06-3).ti,ab,kw. (94780)
- 139 Hydroxychloroquine/ (51372)
- 140 (hydrochloroquine or chloroquinol\$2 or dolquine\$2 or ercoquin\$2 or hydroxychlorochin\$2 or oxychlorochin\$2 or oxychloroquine\$2 or plaquenil\$2 or polirreumin\$2 or quensyl\$2 or sn 8137 or sn8137 or tlc 19 tlc19 or win 1258 or win1258 or 4QWG6N8QKH or 8Q2869CNVH or 118-42-3 or 747-36-4).ti,ab,kw. (1336)
- 141 Doxepin/ (11097)
- 142 (doxepin or adapin\$2 or anten\$2 or aponal\$2 or co dox\$2 or curatin\$2 or deptran\$2 or desidox\$2 or doneurin\$2 or doxal\$2 or doxepia\$2 or doxepine\$2 or expadox\$2 or expan\$2 or gilex\$2 or mareen\$2 or p 3693a or p3693a or prudoxin\$2 or quitaxon\$2 or silenor\$2 or sinequan\$2 or sinquan\$2 or sinquane\$2 or xepin\$2 or zonalon\$2).ti,ab,kw. (280249)
- 143 Capsaicin/ (35049)
- 144 (capsaicin or abc-pflaster\$2 or adlea\$2 or algrx 4975 or algrx4975 or axsain\$2 or biozone\$2 or capsaicine\$2 or capsicaine\$2 or capsicum\$2 or capsidol\$2 or capsig\$2 or captrix\$2 or capzasin\$2 or casacine\$2 or cgs 200 or cgs200 or cntx 4975 or cntx4975 or dolenon\$2 or dolorac\$2 or gelcen\$2 or katrum\$2 or ngx 1998 or ngx1998 or ngx 4010 or ngx4010 or qutenza\$2 or styptysat\$2 or transacin\$2 or zacin\$2 or zostrix\$2 or S07044R1ZM or 404-86-4).ti,ab,kw. (42824)

- 145 Ephedrine/ (22533)
- 146 (ephedrine or biophedrin\$2 or eciphin\$2 or efedra\$2 or efedrin\$2 or efedrine\$2 or efidrin\$2 or eggophedrin\$2 or ephadrosan\$2 or ephalone\$2 or ephedra\$2 or ephedral\$2 or ephedrin\$2 or ephedrosan\$2 or ephedrosst\$2 or et 203 or et203 or fedrin\$2 or i sedrin\$2 or kratedyn\$2 or mandrin\$2 or neo fedrin\$2 or primatene\$2 or rezipres\$2 or sanedrin\$2 or sanedrine\$2 or zephrol\$2 or GN83C131XS or NLJ6390P1Z or U6X61U5ZEG or 299-42-3).ti,ab,kw. (15672)
- 147 Famotidine/ (12533)
- 148 (famotidine or agufam\$2 or amfamox\$2 or antodine\$2 or apogastine\$2 or ausfam\$2 or beilande\$2 or bestidine\$2 or blocacid\$2 or brolin\$2 or cepal\$2 or durater\$2 or ep 335 or ep335 or facid\$2 or fadin\$2 or fadine\$2 or fadul\$2 or fafotin\$2 or famoabz\$2 or famoc\$2 or famocid\$2 or famodar\$2 or famodil\$2 of famodin\$2 or famodine\$2 or famogal\$2 or gamogard\$2 or gamogast\$2 or famohexal\$2 or famolta\$2 or famonerton\$2 or famopril\$2 or famopsin\$2 or famos\$2 or famosan\$2 or famosia\$2 or famotal\$2 or famotep\$2 or famotin\$2 or famotine\$2 or famowal\$2 or famox\$2 or famoxal\$2 or fanox\$2 or fararidin\$2 or farmotex\$2 or farotin\$2 or ferotine\$2 or fibonel\$2 or fluxid\$2 or foxadul\$2 or fudone\$2 or fuweidin\$2 or ganor\$2 or gardin\$2 or gaster\$2 or gastren\$2 or gastridin\$2 or gastrion\$2 or gastro\$2 or gastrodomina\$2 or gastroflux\$2 or h2 bloc or incifam\$2 or kemofam\$2 or kimodin\$2 or l 643341 or l643341 or mk 208 or mk208 or motiax\$2 or motidine\$2 or pecidine\$2 or pepcid\$2 or pepcidin\$2 or pepcidina\$2 or pepcidine\$2 or pepdif\$2 or pepdine\$2 or pepdul\$2 or pepfamin\$2 or peptan\$2 or pepticon\$2 or peptifam\$2 or pepzan\$2 or purifam\$2 or quamatel\$2 or quamtel\$2 or rapitab\$2 or restadin\$2 or rogasti\$2 or sedanium\$2 or stadin\$2 or stomax\$2 or supertidine\$2 or tamin\$2 or topcid\$2 or ulcatif\$2 or ulcefam\$2 or ulcelac\$2 or ulcenol\$2 or ulcetrax\$2 or ulcofam\$2 or ulcusan\$2 or ulfadin\$2 or ulfagel\$2 or ulfam\$2 or ulfamid\$2 or ulped\$2 or voker\$2 or weimok\$2 or winiful\$2 or wiretin\$2 or yamarin\$2 or ym 11170 or ym11170 or 5QZ015J2Z8 or 108885-67-2 or 76824-35-6).ti,ab,kw. (96664)
- 149 (montelukast or actamone\$2 or airathon\$2 or aircast\$2 or airing\$2 or alvokast\$2 or apilone\$2 or ascafi\$2 or ascolin\$2 or asmenol\$2 or asprevent\$2 or astecon\$2 or asthator\$2 or asthmasan\$2 or asthmont\$2 or astmirex\$2 or astmodil\$2 or atentus\$2 or atlabiclo\$2 or belokast\$2 or brolyt\$2 or castispir\$2 or chesmon\$2 or deprive\$2 or elukan\$2 or elunkast\$2 or eonic\$2 or ephyra\$2 or filkast\$2 or fulmont\$2 or imvlo\$2 or ispyrra\$2 or jepafex\$2 or kipres\$2 or l 706631 or l706631 or lanair\$2 or leukast\$2 or lukair\$2 or lukanof\$2 or lukas aiwa\$2 or lukasm\$2 or lukastang\$2 or lukavent\$2 or melarth\$2 or metigreunul\$2 or milukante\$2 or mintalos\$2 or miralust\$2 or "mk 0476" or mk 476 or mk0476 or modrian\$2 or modulair\$2 or mofenstra\$2 or mokast\$2 or molucar\$2 or monalux\$2 or monart\$2 or monast\$2 or moncas\$2 or mondeo\$2 or monkasta\$2 or monlast\$2 or monlucare\$2 or monspes\$2 or monstonol\$2 or montair\$2 or montast\$2 or montecell\$2 or montecon\$2 or montefar\$2 or montegen\$2 or montek\$2 or montelair\$2 or montelak\$2 or montelar\$2 or montelex\$2 or montelax\$2 or montelubronch\$2 or montelucaste\$2 or montelukast\$2 or montelukaste\$2 or montelukastteva\$2 or montelukastum\$2 or montelukasturn\$2 or montelux\$2 or montemyl\$2 or montep\$2 or monterast\$2 or monteresp\$2 or montespir\$2 or montewin\$2 or montexal\$2 or monthan\$2 or montol\$2 or montul\$2 or montus\$2 or moolpas\$2 or nal 6336 or nal6336 or orilukast\$2 or otelus\$2 or pentafeno\$2 or perasm\$2

- or pluralais\$2 or pneumo-kast\$2 or promonta\$2 or rasec\$2 or relukas\$2 or respilukas\$2 or romilast\$2 or saslong\$2 or singodem\$2 or singulair\$2 or singulergy\$2 or solok\$2 or spirokast\$2 or spiromon\$2 or stangen\$2 or surfair\$2 or symlukast\$2 or telelux\$2 or telukast\$2 or teluki\$2 or tevalukast\$2 or thordel\$2 or valnuen\$2 or velukast\$2 or xaira\$2 or yekast\$2 or zakomoxit\$2 or MHM278SD3E or U103J18SFL or 158966-92-8).ti,ab,kw. (90881)
- 150 (zafirlukast or accolat\$2 or accoleit\$2 or aeronix\$2 or ici 204219 or ici204219 or olmoran\$2 or respix\$2 or vanticon\$2 or zafirst\$2 or zuvair\$2 or XZ629S5L50 or 107753-78-6).ti,ab,kw. (1371)
- 151 Nizatidine/ (2709)
- 152 (nizatidine or acinon\$2 or actidine\$2 or antizid\$2 or axadine\$2 or axid\$2 or calmaxid\$2 or cronizat\$2 or distaxid\$2 or dixtasid\$2 or gastrax\$2 or jadin\$2 or ly 139037 or ly139037 or nacid\$2 or naxidine\$2 or nixaxid\$2 or nizax\$2 or panaxid\$2 or tazac\$2 or tinza\$2 or ulxit\$2 or zanitidine\$2 or zanitin\$2 or zanizal\$2 or zatidine\$2 or zinga\$2 or zl 101 or zl101 or P41PML4GHR or 76963-41-2).ti,ab,kw. (3319)
- 153 Ranitidine/ (33927)
- 154 (ranitidine or achedos\$2 or acidex\$2 or aciloc\$2 or acloral\$2 or acran\$2 or ah 19065 or ah19065 or aldin\$2 or alquen\$2 or anistal\$2 or antagonistin\$2 or ardoral\$2 or atural\$2 or ausran\$2 or avintac\$2 or axoban\$2 or azantac\$2 or baroxal\$2 or biotidin\$2 or consec\$2 or coralen\$2 or cygran\$2 or d 14951 or d14951 or duractin\$2 or eltidine\$2 or eu-ran\$2 or ezopta\$2 or galidrin\$2 or gastran\$2 or gastrial\$2 or gastridina\$2 or gastrosedol\$2 or hexer\$2 or histac\$2 or histak\$2 or hyzan\$2 or incid\$2 or istomar\$2 or iqfadina\$2 or kemoranin\$2 or kiradin\$2 or logast\$2 or lumaren\$2 or lydin\$2 or mauran\$2 or microtid\$2 or midaven\$2 or nadine\$2 or neoceptin\$2 or pilorex\$2 or ponaltin\$2 or ptinolin\$2 or quantor\$2 or quicran\$2 or r-loc\$2 or radinat\$2 or radine\$2 or rafitaz\$2 or ranacid\$2 or rancet\$2 or randin\$2 or "rani 2" or raniel\$2 or raniben\$2 or ranibloc\$2 or ranicalm\$2 or ranidil\$2 or ranidine\$2 or ranidura\$2 or ranigast\$2 or ranihexal\$2 or ranimex\$2 or ranin\$2 or raniogas\$2 or raniplex\$2 or ranisan\$2 or ranisen\$2 or ranitab\$2 or ranital\$2 or ranitax\$2 or raniter\$2 or ranitidin\$2 or ranitidina\$2 or ranitil\$2 or ranitin\$2 or ranitine\$2 or ranolta\$2 or rantac\$2 or rantacid\$2 or rantin\$2 or ranuber\$2 or ranzac\$2 or ratic\$2 or raticina\$2 or raxide\$2 or retamin\$2 or rolan\$2 or rosimol\$2 or sampep\$2 or simetac\$2 or sostril\$2 or tanidina\$2 or taural\$2 or terodul\$2 or toriol\$2 or ulcaid\$2 or ulceran\$2 or ulcex\$2 or ulcin\$2 or ulcocur\$2 or ulsal\$2 or ultak\$2 or ultidine\$2 or urantac\$2 or verlost\$2 or vesyca\$2 or vizerul\$2 or weichilin\$2 or weidos\$2 or xanidine\$2 or zantab\$2 or zantac\$2 or zantadin\$2 or zantic\$2 or zinetac\$2 or 884KT10YB7 or BK76465IHM or 66357-35-5 or 66357-59-3).ti,ab,kw. (31752)
- 155 or/117-154 [OMALIZUMAB + OTHER DRUGS OF INTEREST] (1644882)
- 156 Chronic Urticaria/ (7634)
- 157 Urticaria/ and Chronic Disease/ (3753)
- 158 ((idiopathic* or spontaneous*) adj2 urticaria*).ti,ab,kw. (7223)
- 159 (CIU adj1 CSU).ti,ab,kw. (209)
- 160 ((CIU or CSU) adj6 urticaria*).ti,ab,kw. (3460)
- 161 ((autoimmun* or auto-immun*) adj2 urticaria*).ti,ab,kw. (756)

162 or/156-161 [CHRONIC SPONTANEOUS URTICARIA] (14136)
163 155 and 162 [OMALIZUMAB + OTHER DRUGS - CHRONIC SPONTANEOUS URTICARIA] (5850)
164 (exp Child/ or exp Infant/) not (exp Adult/ or Adolescent/) (3594454)
165 163 not 164 [UNDER-18 POPULATION ONLY REMOVED] (5641)
166 limit 165 to yr="2005-current" [DATE LIMIT APPLIED] (4709)
167 166 use coch,cctr [CLIB RECORDS] (362)
168 55 or 116 or 167 [ALL DATABASES] (4651)
169 remove duplicates from 168 (3341) [TOTAL UNIQUE RECORDS]
170 169 use medall [MEDLINE UNIQUE RECORDS] (1075)
171 169 use emczd [EMBASE UNIQUE RECORDS] (2134)
172 169 use cctr [CENTRAL UNIQUE RECORDS] (131)
173 169 use coch [CDSR UNIQUE RECORDS] (1)

Appendix 2: PRISMA-P Checklist

Note that this appendix has not been copy-edited.

Table 3: PRISMA-P Checklist

Section/topic	#	Checklist item	Information reported	Page number(s)/ section(s)
Administrative information				
Title				
Identification	1a	Identify the report as a protocol of a systematic review	Yes	Title page
Update	1b	If the protocol is for an update of a previous systematic review, identify as such	NA	NA
Registration	2	If registered, provide the name of the registry (e.g., PROSPERO) and registration number in the Abstract	Yes	Submitted, number pending
Authors				
Contact	3a	Provide name, institutional affiliation, and e-mail address of all protocol authors; provide physical mailing address of corresponding author	Yes	Title page
Contributions	3b	Describe contributions of protocol authors and identify the guarantor of the review	Yes	Title page
Amendments	4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments	Yes	Refer to revision history
Support				
Sources	5a	Indicate sources of financial or other support for the review	Yes	TO INCLUDE
Sponsor	5b	Provide name for the review funder and/or sponsor	Yes	Page 10
Role of sponsor/funder	5c	Describe roles of funder(s), sponsor(s), and/or institution(s), if any, in developing the protocol	Yes	Page 10
Introduction				
Rationale	6	Describe the rationale for the review in the context of what is already known	Yes	Page 5
Objectives	7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)	Yes	Page 6
Methods				
Eligibility criteria	8	Specify the study characteristics (e.g., PICO, study design, setting, time frame) and report characteristics (e.g., years considered, language, publication status) to be used as criteria for eligibility for the review	Yes	Table 2

Section/topic	#	Checklist item	Information reported	Page number(s)/ section(s)
Information sources	9	Describe all intended information sources (e.g., electronic databases, contact with study authors, trial registers, or other grey literature sources) with planned dates of coverage	Yes	Page 7
Search strategy	10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated	Yes	Appendix 1
Study records				
Data management	11a	Describe the mechanism(s) that will be used to manage records and data throughout the review	Yes	Page 7
Selection process	11b	State the process that will be used for selecting studies (e.g., two independent reviewers) through each phase of the review (i.e., screening, eligibility, and inclusion in meta-analysis)	Yes	Page 7
Data collection process	11c	Describe planned method of extracting data from reports (e.g., piloting forms, done independently, in duplicate), any processes for obtaining and confirming data from investigators	Yes	Page 7
Data items	12	List and define all variables for which data will be sought (e.g., PICO items, funding sources), any pre-planned data assumptions and simplifications	Yes	Page 8
Outcomes and prioritization	13	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale	Yes	Table 2 . All outcomes are primary.
Risk of bias in individual studies	14	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis	Yes	Page 9/10
Data				
Synthesis	15a	Describe criteria under which study data will be quantitatively synthesized	Yes	Page 9
	15b	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data, and methods of combining data from studies, including any planned exploration of consistency (e.g., I^2 , Kendall's tau)	Yes	Page 9
	15c	Describe any proposed additional analyses (e.g., sensitivity or subgroup analyses, meta-regression)	Yes	Page 9
	15d	If quantitative synthesis is not appropriate, describe the type of summary planned	Yes	Page 9
Meta-bias(es)	16	Specify any planned assessment of meta-bias(es) (e.g., publication bias across studies, selective reporting within studies)	Yes	Page 9/10

Section/topic	#	Checklist item	Information reported	Page number(s)/ section(s)
Confidence in cumulative evidence	17	Describe how the strength of the body of evidence will be assessed (e.g., GRADE)	No	No certainty of evidence was assessed.

GRADE = Grading of Recommendations Assessment, Development and Evaluation; NA = not applicable; PRISMA-P = Preferred Reporting Items for Systematic Reviews and Meta-Analyses for Protocols.

Source: Moher D, Shamseer L, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart LA. Preferred Reporting Items for Systematic Review and Meta-Analysis Protocols (PRISMA-P) 2015 statement. *Syst Rev.* 2015;4(1):1.

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Canada's Drug and
Health Technology Agency



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