

## Addition of Recommended dose information in Drugs Information Page

Dear valued customers,

We are excited to announce our latest enhancement to PharmaPendium: the addition of Recommended dose information. Recommended dose information acts as a vital compass for establishing dose strategies in relation to a drug candidate. It serves several key roles:

**Benchmarking:** It offers a benchmark against which the dosing of a new drug can be compared, ensuring it fits within the therapeutic window established by similar, already approved drugs.

**Safety and Efficacy Balance:** Helps in finding a balance between the maximum therapeutic effect and the minimum risk of side effects, guiding the setting of dose ranges for clinical trials.

**Competitive Differentiation:** Enables comparison with similar drugs to identify potential advantages in efficacy or safety at different dosing levels, supporting strategic positioning in the market.


**Risk Assessment:** Assists in anticipating potential adverse effects based on the dose-response relationships of similar drugs, crucial for regulatory approval strategies.

This information is critical for **developing dosing strategies** that are safe, effective, and competitive, guiding the limits of dose exploration for a new drug candidate.



Recommended dose is available for single and combination drugs excerpted from the FDA labels and EMA annexes:

- You can access comprehensive information on the recommended doses for a particular drug across different populations, indications, and routes of administration.
- Recommended dosing information has been provided for **2196 drugs** until the year 2020, and the latest updates will be available soon.

1. Recommended dose can be accessed under the **Drugs Info Page** where multiple recommended doses can be found per indication, population, route of administration.




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**Browse drugs**  
Type drug or drug class to search  
Acetaminophen

- Analgesics, narcotic agonist-antagonist
  - Pentazocine Hydrochloride; Acetaminophen
- Analgesics, narcotic-like
  - Acetaminophen; Tramadol Hydrochloride
- Analgesics, non-narcotic
  - Acetaminophen
  - Acetaminophen; Adiphenine; Phenyltoloxamine...
  - Acetaminophen; Ammonium Chloride; Dimeth...
  - Acetaminophen; Amphetamine Phosphate; Met...
  - Acetaminophen; Aspirin; Caffeine
  - Acetaminophen; Aspirin; Codeine Phosphate
  - Acetaminophen; Atropine Sulfate; Hyoscyamin...
  - Acetaminophen; Butabarbital Sodium
  - Acetaminophen; Butalbital
  - Acetaminophen; Butalbital; Caffeine

**Recommended dose** Population filter 

Indication	Population	Recommended Dose	Route	Dosage	Max TDD	Source
Fever	newborn, premature; full-term	12.5 mg/kg	intravenous	injection every 6 hours	50 mg/kg/day	FDA
Fever	infant	15 mg/kg	intravenous	injection every 6 hours	60 mg/kg/day	FDA
Pain mild	adult	1300 mg	oral	caplet every 8 hours	3900 mg/day	FDA
Pain mild to moderate; Fever	child	12.5 mg/kg	intravenous	injection every 4 hours	75 mg/kg/day	FDA
Pain mild to moderate; Fever	child	15 mg/kg	intravenous	injection every 6 hours	75 mg/kg/day	FDA
Pain mild to moderate; Fever	adult;adolescent	12.5 mg/kg	intravenous	injection every 4 hours	75 mg/kg/day	FDA
Pain mild to moderate; Fever	adult;adolescent	650 mg	intravenous	injection every 4 hours	4000 mg/kg/day	FDA

2. Clicking on the Recommended dose link opens the side panel where you can find additional information associated with that recommended dose like indication description, population age, weight, dose comment, max dose which provides you comprehensive information for that dose and makes you well informed while creating a strategy for your drug candidate.




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**Recommended dose details** 

Indication: Fever  
Population: newborn, premature; full-term  
Recommended dose: 12.5 mg/kg  
Route: intravenous  
Dosage: injection every 6 hours  
Max TDD: 50 mg/kg/day  
Source: FDA

**Recommended dose details 1** 

Indication description: Acetaminophen is indicated for reduction of fever.  
Population details: —  
Population age: <= 28 days  
Population weight: —  
Population phenotype: —  
Dose comment: 12.5 mg/kg every 6 hours to a maximum of 50 mg/kg per day. Minimum dosing interval of 6 hours. Acetaminophen Injection should be administered only as a 15 minute intravenous infusion.  
Max dose: 50, mg/kg/day  
Concomitant drug: —  
Concomitant drug dose: —  
No dose adjustment description: —

**Recommended dose details 2** 

- You can effectively filter the recommended dose data based on Population of your drug under research (Age category, Sex and Condition) resulting in a refined dataset that meets your preferences.

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Analgesics, narcotic;agonist-antagonist

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Analgesics, narcotic-like

Acetaminophen; Tramadol Hydrochloride

Analgesics, non-narcotic

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Acetaminophen; Atropine Sulfate; Hyoscyamin...

Acetaminophen; Butabarbital Sodium

Acetaminophen; Butalbital

Acetaminophen; Butalbital; Caffeine

Population filter for recommended dose

Content Deselect all

Age category

☐ Adult ☐ Adult;adolescent

☐ Child ☐ Infant

☐ Newborn

Sex

☐ Not specified

Condition

☐ Not specified ☐ Premature; full-term

Cancel Apply

Route	Dosage	Max TOD	Source
intravenous	injection every 6 hours	50 mg/kg/day	FDA
intravenous	injection every 6 hours	60 mg/kg/day	FDA
oral	caplet every 8 hours	3900 mg/day	FDA
intravenous	injection every 4 hours	75 mg/kg/day	FDA
intravenous	injection every 6 hours	75 mg/kg/day	FDA
intravenous	injection every 4 hours	75 mg/kg/day	FDA

- Exporting of recommended dose data is possible where you can see all the information related to multiple recommended doses at one place.

Note: On clicking on export on Drug Info page, you export recommended dose data if its present.

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Acetaminophen; Butabarbital Sodium

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Acetaminophen; Butalbital; Caffeine

Acetaminophen

Export Acetaminophen

You are exporting 1 drug. We combined all data into one excel file for improving your workflow and the excel file will contain:

- Recommended Dose
- Drug-Targets Profile
- Adverse Effects & Toxicity
- Indications

Cancel Export

Analgesics > Analgesics, non-narcotic > Acetaminophen

Indications

Nomenclature

Chemical Name(s)

ACETAMIDE, N-(4-HYDROXYPH...

Chemical Formula

CSH9NO2

CAS Number(s)

103-90-2

Molecular Weight

151.063

Search in Chemistry

Paralgin, Paralel, Paramdol, Paramol, Parapod, Parapod Junior, Parapod Six Plus, Paralabs, Parvid, Paximal, Pedipan, Penral-Night, Pinex, Para, Predimol, Puernol, Raperon, Rapidol, Reliv, Remedal, Revanin, Rhinapen elixir, Roxamol Gelcaps, Salzone, Saridon, Serimal, Setamol, Sinedol, Taganapain, Tamifen, Tempra, Tempte, Temzard, Termofren, Tralgan Elixir, Turpan, Tylenal, Tylenal (Caplet), Tylenal (Geltab), Tylenal Extra Forte, Tylenal Forte, Tylen, Winadol, Winesorb, Xabramol, Zalben, Zydimal

Classes



This new feature empowers researchers with the knowledge they need to make informed decisions throughout the drug development process. By leveraging knowledge of therapeutic doses recommended by regulatory agencies for similar drugs, drug developers can make informed decisions throughout the drug development process, from preclinical research to commercialization, ultimately improving the chances of success for their drug candidate.

For any feedback or questions, reach out to us: [pharmabiotechEH@elsevier.com](mailto:pharmabiotechEH@elsevier.com)

Thank you for choosing PharmaPendium.

Best regards from the PharmaPendium team

Sakshi, Thomas, Olivier, Patrice, Andries, Yeliz, Igor, Ahmet, Jacco, Abhijeet, Muthu, Mikhail, Willem, Khushboo, Nihit, Sreekantha, Aliaksandr, Branka, Jose, Iaroslav, Arseny, Canberk, Soumyadip, Boudewijn