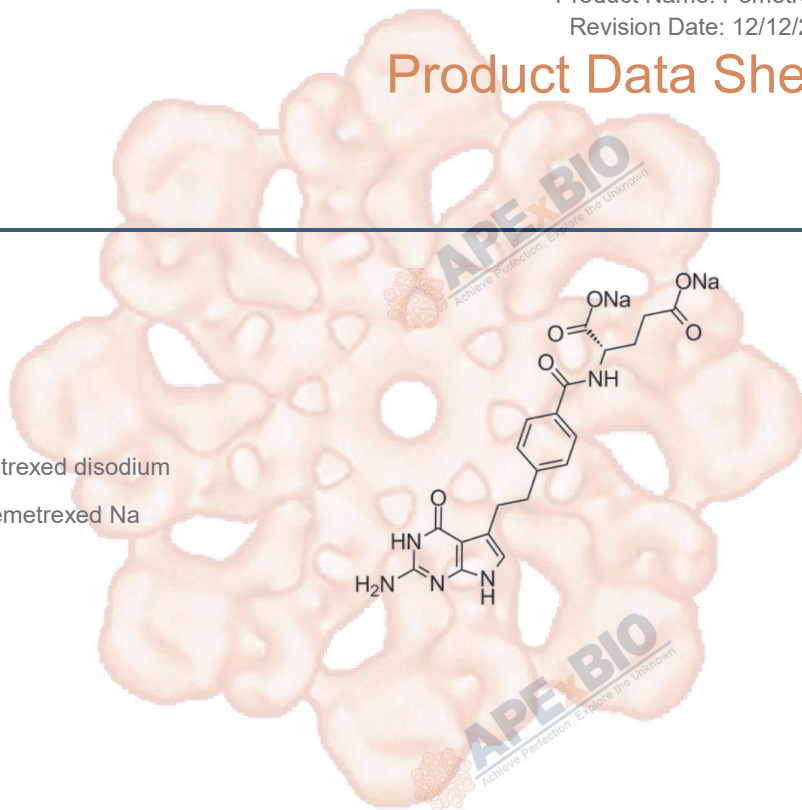


Product Data Sheet

Pemetrexed

| | |
|------------------|---|
| Cat. No.: | A4390 |
| CAS No.: | 150399-23-8 |
| Formula: | C ₂₀ H ₁₉ N ₅ Na ₂ O ₆ |
| M.Wt: | 471.37 |
| Synonyms: | Pemetrexed disodium, Pemetrexed disodium heptahydrate, LY-231514, Pemetrexed Na |
| Target: | Metabolism |
| Pathway: | DHFR |
| Storage: | Store at -20°C |



Solvent & Solubility

insoluble in EtOH; ≥ 15.68 mg/mL in DMSO with gentle warming and ultrasonic; ≥ 30.67 mg/mL in H₂O

In Vitro

| Preparing Stock Solutions | Solvent | | Mass | | |
|------------------------------|---------------|--|-----------|------------|------------|
| | Concentration | | 1mg | 5mg | 10mg |
| | 1 mM | | 2.1215 mL | 10.6074 mL | 21.2148 mL |
| | 5 mM | | 0.4243 mL | 2.1215 mL | 4.2430 mL |
| | 10 mM | | 0.2121 mL | 1.0607 mL | 2.1215 mL |

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

TS, DHFR, GARFT and AICARFT inhibitor

IC₅₀ & Target

1.3 nM (Ki) (TS), 7.2 nM (Ki) (DHFR), 65 nM (Ki) (GARFT)

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Wu Q, Wei X, et al. "Bionic 3D spheroids biosensor chips for high-throughput and dynamic drug screening." Biomed Microdevices. 2018 Sep 15;20(4):82.PMID:30220069

See more customer validations on www.apexbt.com.

References

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com

