

Levomefolate sodium

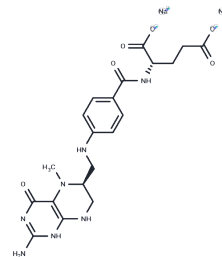
Chemical Properties

CAS No. : 1423663-76-6

Formula: C₂₀H₂₃N₇Na₂O₆

Molecular Weight: 503.42

Storage: Store at low temperature, Keep away from moisture
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|--|
| Description | Levomefolate sodium (L-5-MTHF sodium) is a dietary supplement that can be used to study megaloblastic anemia and neurological disorders. |
| Targets(IC50) | Others, Antifolate |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9864 mL | 9.9321 mL | 19.8641 mL |
| 5 mM | 0.3973 mL | 1.9864 mL | 3.9728 mL |
| 10 mM | 0.1986 mL | 0.9932 mL | 1.9864 mL |
| 50 mM | 0.0397 mL | 0.1986 mL | 0.3973 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Wiesinger H, et al. Bioequivalence evaluation of a folate-supplemented oral contraceptive containing ethinylestradiol/drospirenone/levomefolate calcium versus ethinylestradiol/drospirenone and levomefolate calcium alone. *Clin Drug Investig.* 2012 Oct 1;32(10):673-84.
- Diefenbach K, et al. EE-drospirenone-levomefolate calcium versus EE-drospirenone + folic acid: folate status during 24 weeks of treatment and over 20 weeks following treatment cessation. *Int J Womens Health.* 2013 Apr 11; 5:149-63.
- Rapkin RB, et al. The combined oral contraceptive pill containing drospirenone and ethinyl estradiol plus levomefolate calcium. *Expert Opin Pharmacother.* 2011 Oct;12(15):2403-10.
- Rapkin RB, Creinin MD. The combined oral contraceptive pill containing drospirenone and ethinyl estradiol plus levomefolate calcium. *Expert Opin Pharmacother.* 2011 Oct;12(15):2403-10. doi: 10.1517/14656566.2011.610791. Epub 2011 Aug 31. Review. PubMed PMID: 21877996.

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