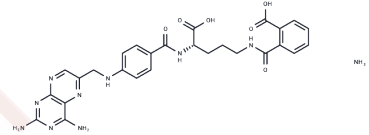


Talotrexin ammonium

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 648420-92-2 |
| Formula: | C ₂₇ H ₃₀ N ₁₀ O ₆ |
| Molecular Weight: | 590.59 |
| Storage: | 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 | Talotrexin ammonium is a non-polyglutamic acid antifolate. Talotrexin ammonium inhibits tumor growth by targeting dihydrofolate reductase (DHFR), thereby improving anti-tumor activity in a wide range of cancer models, helping to inhibit tumor growth. |
| Targets(IC50) | Others,Antifolate,DHFR |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (84.66 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.6932 mL | 8.4661 mL | 16.9322 mL |
| 5 mM | 0.3386 mL | 1.6932 mL | 3.3864 mL |
| 10 mM | 0.1693 mL | 0.8466 mL | 1.6932 mL |
| 50 mM | 0.0339 mL | 0.1693 mL | 0.3386 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

C S Rocha Lima, et al. A phase I study of talotrexin (PT-523) in patients with relapsed or refractory non-small cell lung cancer (NSCLC).

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