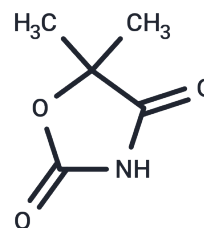


5,5-Dimethyloxazolidine-2,4-dione

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 695-53-4 |
| Formula: | C ₅ H ₇ NO ₃ |
| Molecular Weight: | 129.11 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



Biological Description

| | |
|---------------|---|
| Description | 5,5-Dimethyloxazolidine-2,4-dione (Dimethadione) is an anticonvulsant that is the active metabolite of TRIMETHADIONE. |
| Targets(IC50) | Calcium Channel |

Solubility Information

| | |
|------------|--|
| Solubility | Ethanol: 78 mg/mL (604.14 mM),Sonication is recommended. DMSO: 78 mg/mL (604.14 mM),Sonication is recommended. H2O: 77 mg/mL (596.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 7.7453 mL | 38.7267 mL | 77.4533 mL |
| 5 mM | 1.5491 mL | 7.7453 mL | 15.4907 mL |
| 10 mM | 0.7745 mL | 3.8727 mL | 7.7453 mL |
| 50 mM | 0.1549 mL | 0.7745 mL | 1.5491 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.

Reference

Aasa KL, et al. Toxicol Sci. 2014 Dec; 142(2):350-60.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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