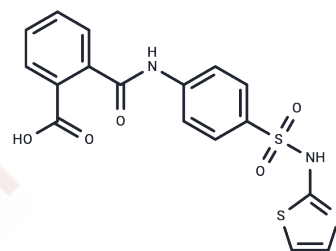


Phthalylsulfathiazole

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 85-73-4 |
| Formula: | C ₁₇ H ₁₃ N ₃ O ₅ S ₂ |
| Molecular Weight: | 403.43 |
| 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 | Phthalylsulfathiazole (N4-Phthalylsulfathiazole) is a broad spectrum antimicrobial agent, used in the treatment of dysentery, colitis, and gastroenteritis. |
| Targets(IC50) | Antibacterial, Antibiotic |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 55 mg/mL (136.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4787 mL | 12.3937 mL | 24.7874 mL |
| 5 mM | 0.4957 mL | 2.4787 mL | 4.9575 mL |
| 10 mM | 0.2479 mL | 1.2394 mL | 2.4787 mL |
| 50 mM | 0.0496 mL | 0.2479 mL | 0.4957 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

FLORESTANO HJ, KENNEDY JF. J Lab Clin Med. 1946 Jul;31(7):757-62.

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