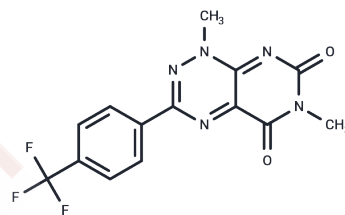


Walrycin B

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 878419-78-4 |
| Formula: | C ₁₄ H ₁₀ F ₃ N ₅ O ₂ |
| Molecular Weight: | 337.26 |
| 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 | Walrycin B is a new-type antibacterial compound targeting the WalR response regulator. |
| Targets(IC50) | Antibacterial,Antibiotic,SARS-CoV |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 50 mg/mL (148.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Corn Oil: 2.5 mg/mL (7.41 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.9651 mL | 14.8254 mL | 29.6507 mL |
| 5 mM | 0.593 mL | 2.9651 mL | 5.9301 mL |
| 10 mM | 0.2965 mL | 1.4825 mL | 2.9651 mL |
| 50 mM | 0.0593 mL | 0.2965 mL | 0.593 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

Gotoh Y, et al. J Antibiot (Tokyo). 2010 Mar;63(3):127-34.

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