

6-C-Methylquercetin-3,4'-dimethyl ether

Chemical Properties

CAS No. :

Formula: C₁₈H₁₆O₇

Molecular Weight: 344.32

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 | 6-C-Methylquercetin-3,4'-dimethyl ether, a flavonol derivative extracted from Bauhinia thonningii Schum leaves, exhibits antibacterial effects on Gram-negative multidrug-resistant bacteria and methicillin-resistant Staphylococcus aureus (MRSA) strains [1]. |
| Targets(IC50) | Antibacterial, Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.9043 mL | 14.5214 mL | 29.0428 mL |
| 5 mM | 0.5809 mL | 2.9043 mL | 5.8086 mL |
| 10 mM | 0.2904 mL | 1.4521 mL | 2.9043 mL |
| 50 mM | 0.0581 mL | 0.2904 mL | 0.5809 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.

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