

Camptothecin-20(S)-O-propionate hydrate

Chemical Properties

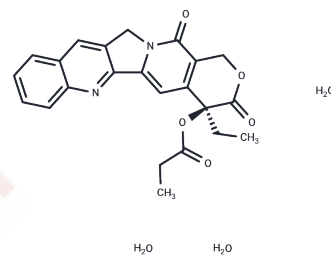
CAS No. : 1147090-70-7

Formula: C₂₃H₂₆N₂O₈

Molecular Weight: 458.46

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 | Camptothecin-20(S)-O-propionate hydrate, the C20-propionate ester of CPT, serves as a potent anticancer agent and functions as a topoisomerase-I inhibitor [1] [2]. This compound is often referenced by its alternate name, Camptothecin-20-O-propionate. |
| Targets(IC50) | Topoisomerase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1812 mL | 10.9061 mL | 21.8122 mL |
| 5 mM | 0.4362 mL | 2.1812 mL | 4.3624 mL |
| 10 mM | 0.2181 mL | 1.0906 mL | 2.1812 mL |
| 50 mM | 0.0436 mL | 0.2181 mL | 0.4362 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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