

BEBT-908

Chemical Properties

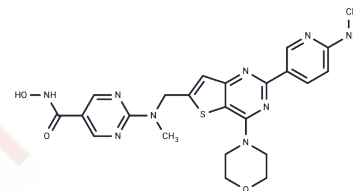
CAS No. : 1235449-52-1

Formula: C₂₃H₂₅N₉O₃S

Molecular Weight: 507.57

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

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|----------------------------|--|
| Description | BEBT-908 (PI3K α inhibitor 1) is a selective PI3K α inhibitor with an IC ₅₀ of less than 0.1 μ M and also inhibits HDAC with an IC ₅₀ ranging from 0.1 μ M to 1 μ M. |
| Targets(IC ₅₀) | HDAC,PI3K |

Solubility Information

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|------------|---|
| Solubility | DMSO: 35 mg/mL (68.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.9702 mL | 9.8509 mL | 19.7017 mL |
| 5 mM | 0.394 mL | 1.9702 mL | 3.9403 mL |
| 10 mM | 0.197 mL | 0.9851 mL | 1.9702 mL |
| 50 mM | 0.0394 mL | 0.197 mL | 0.394 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

Cai Xiong, et al. Deazapurines, thienopyrimidines and furopyrimidines as phosphoinositide 3-kinase inhibitors with a zinc binding moiety and their preparation and use in the treatment of diseases. From U.S. Pat. Appl. Publ. (2012), US 20120088764 A1 20120412.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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