

BEBT-908

Chemical Properties

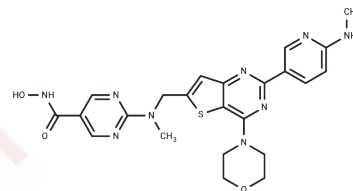
CAS No. : 1235449-52-1

Formula: C₂₃H₂₅N₉O₃S

Molecular Weight: 507.57

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

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

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

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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