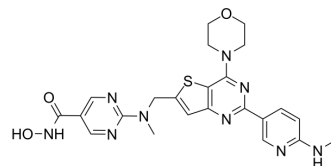


BEBT-908

Cat. No.:	HY-19763		
CAS No.:	1235449-52-1		
Molecular Formula:	C ₂₃ H ₂₅ N ₉ O ₃ S		
Molecular Weight:	507.57		
Target:	PI3K		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 37 mg/mL (72.90 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		1.9702 mL	9.8509 mL	19.7017 mL
	5 mM		0.3940 mL	1.9702 mL	3.9403 mL
	10 mM		0.1970 mL	0.9851 mL	1.9702 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BEBT-908 (PI3K α inhibitor 1) is a selective PI3K α inhibitor extracted from patent US/20120088764A1, Compound 243, has an IC₅₀<0.1 μ M, PI3K α inhibitor 1 also inhibits HDAC (0.1 μ M≤IC₅₀≤1 μ M) .

IC₅₀ & Target

PI3K α 0.1 μ M (IC ₅₀)	HDAC 0.1 μ M (IC ₅₀)
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REFERENCES

[1]. 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 20120

Caution: Product has not been fully validated for medical applications. For research use only.

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