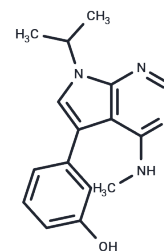


Hydroxy-PP-Me

Chemical Properties

CAS No. :	833481-77-9
Formula:	C ₁₆ H ₁₈ N ₄ O
Molecular Weight:	282.34
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Hydroxy-PP-Me is a potent and specific CBR1 inhibitor with an IC ₅₀ of 759 nM. It inhibits serum-withdrawal-induced apoptosis and, when used in conjunction with As ₂ O ₃ , enhances As ₂ O ₃ -induced apoptotic cell death [1] [2].
Targets(IC ₅₀)	Apoptosis, NADPH, ROS

Solubility Information

Solubility	DMSO: 80 mg/mL (283.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (11.69 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5418 mL	17.7091 mL	35.4183 mL
5 mM	0.7084 mL	3.5418 mL	7.0837 mL
10 mM	0.3542 mL	1.7709 mL	3.5418 mL
50 mM	0.0708 mL	0.3542 mL	0.7084 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

Tanaka M, et al. An unbiased cell morphology-based screen for new, biologically active small molecules. PLoS Biol. 2005 May;3(5):e128.

Jang M, et al. Carbonyl reductase 1 offers a novel therapeutic target to enhance leukemia treatment by arsenic trioxide. Cancer Res. 2012 Aug 15;72(16):4214-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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