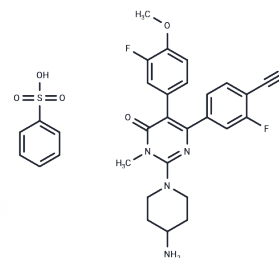


Pulrodemstat benzenesulfonate

Chemical Properties

CAS No. :	2097523-60-7
Formula:	C30H29F2N5O5S
Molecular Weight:	609.64
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	Pulrodemstat benzenesulfonate (CC-90011 benzenesulfonate) is a potent and orally active inhibitor of lysine specific demethylase-1 (LSD1) with anticancer activity.
Targets(IC50)	Histone Demethylase
In vivo	LSD1-IN-7 in combination with other LSD1 inhibitor can be treatment of cancer in a mammal, including breast cancer, lung cancer, prostate cancer, glioblastoma, or leukemia.

Solubility Information

Solubility	DMSO: 60 mg/mL (98.42 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: 2 mg/mL (3.28 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	1.6403 mL	8.2016 mL	16.4031 mL
5 mM	0.3281 mL	1.6403 mL	3.2806 mL
10 mM	0.164 mL	0.8202 mL	1.6403 mL
50 mM	0.0328 mL	0.164 mL	0.3281 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

Young K. Chen, et al. Compositions comprising an inhibitor of lysine specific demethylase-1. WO2017079670A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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