

HSL-IN-3

Chemical Properties

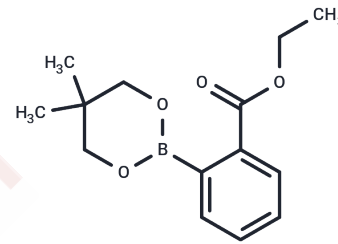
CAS No. : 346656-34-6

Formula: C₁₄H₁₉BO₄

Molecular Weight: 262.11

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	HSL-IN-3 (HSL inhibitor 3) is a boronic acid derivative that is an inhibitor of hormone-sensitive lipase(HSL).
Targets(IC50)	Lipid,Lipase

Solubility Information

Solubility	DMSO: 250 mg/mL (953.8 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: 5 mg/mL (19.08 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (38.15 mM),Solution. <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	3.8152 mL	19.076 mL	38.1519 mL
5 mM	0.763 mL	3.8152 mL	7.6304 mL
10 mM	0.3815 mL	1.9076 mL	3.8152 mL
50 mM	0.0763 mL	0.3815 mL	0.763 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

Ebdrup, Soren, et al. PHARMACEUTICAL USE OF BORONIC ACIDS AND ESTERS THEREOF. US7037905.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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