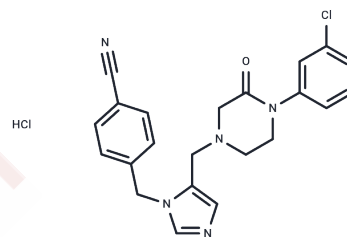


L-778123 hydrochloride

Chemical Properties

CAS No. :	253863-00-2
Formula:	C ₂₂ H ₂₁ Cl ₂ N ₅ O
Molecular Weight:	442.34
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	The L-778123 hydrochloride is an inhibitor of FPTase (IC ₅₀ : 2 nM) and GGPTase-I (IC ₅₀ : 98 nM) in enzyme inhibition determination.
Targets(IC ₅₀)	Telomerase, Transferase

Solubility Information

Solubility	DMSO: 200 mg/mL (452.14 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	PBS: 100 mg/mL (226.07 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	2.2607 mL	11.3035 mL	22.607 mL
5 mM	0.4521 mL	2.2607 mL	4.5214 mL
10 mM	0.2261 mL	1.1304 mL	2.2607 mL
50 mM	0.0452 mL	0.2261 mL	0.4521 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

Lobell RB, et al. Mol Y Ther. 2002 Jul;1(9):747-58.

Tschuck J, Theilacker L, Rothenaigner I, et al. Farnesoid X receptor activation by bile acids suppresses lipid peroxidation and ferroptosis. Nature Communications. 2023, 14(1): 6908.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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