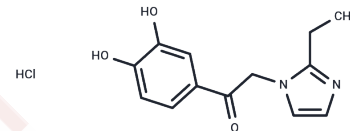


ML-095 hydrochloride

Chemical Properties

CAS No. :	1135318-57-8
Formula:	C ₁₃ H ₁₅ ClN ₂ O ₃
Molecular Weight:	282.72
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	ML-095 hydrochloride (CID-25067483 hydrochloride) is a specific placental alkaline phosphatase inhibitor. It inhibits PLAP, TNAP and IAP with IC ₅₀ of 2.1, >100 and 53 μM, respectively.
Targets(IC ₅₀)	Others,Phosphatase,Phospholipase

Solubility Information

Solubility	DMSO: 4 mg/mL (14.15 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: 1 mg/mL (3.54 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	3.5371 mL	17.6853 mL	35.3707 mL
5 mM	0.7074 mL	3.5371 mL	7.0741 mL
10 mM	0.3537 mL	1.7685 mL	3.5371 mL
50 mM	0.0707 mL	0.3537 mL	0.7074 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

Sergienko E , Garcia X , Brown B , et al. Placental Alkaline Phosphatase (PLAP) Luminescent HTS assay - Probe 2[M]
// Probe Reports from the NIH Molecular Libraries Program. PubMed, 2010.

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