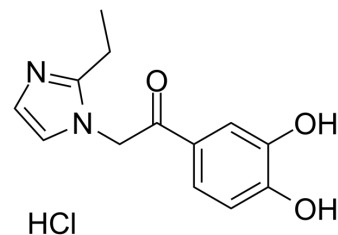


ML095

Cat. No.:	HY-128000
CAS No.:	1135318-57-8
Molecular Formula:	C ₁₃ H ₁₅ ClN ₂ O ₃
Molecular Weight:	282.72
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (442.13 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		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	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.36 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.36 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.36 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	ML095 is a biochemical inhibitor of PLAP. ML095 is useful to elucidate the key biological functions and natural substrates of human PLAP ^[1] .
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REFERENCES

[1]. Lanier M, et al. Placental Alkaline Phosphatase (PLAP) Luminescent HTS assay - Probe 2. 2009 May 16 [Updated 2010 Sep 2]. In: Probe Reports from the NIH Molecular

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA