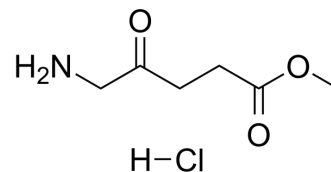


Methyl aminolevulinate hydrochloride

Cat. No.:	HY-A0169A
CAS No.:	79416-27-6
Molecular Formula:	C ₆ H ₁₂ ClNO ₃
Molecular Weight:	181.62
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (550.60 mM; Need ultrasonic)					
	DMSO : 100 mg/mL (550.60 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		5.5060 mL	27.5300 mL	55.0600 mL
5 mM			1.1012 mL	5.5060 mL	11.0120 mL	
	10 mM		0.5506 mL	2.7530 mL	5.5060 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: ≥ 2.5 mg/mL (13.77 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.77 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.77 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Methyl aminolevulinate hydrochloride is an agent used as a sensitizer in photodynamic therapy (PDT). Methyl aminolevulinate is a prodrug that can be metabolized to Protoporphyrin IX ^[1] .
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REFERENCES

[1]. Methyl aminolevulinate, From Wikipedia

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

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