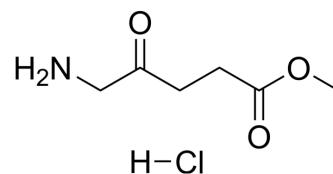


Methyl aminolevulinate hydrochloride

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

H₂O : 100 mg/mL (550.60 mM; Need ultrasonic)
DMSO : 100 mg/mL (550.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

- 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
- 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
- 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 proagent that can be metabolized to Protoporphyrin IX^[1].

REFERENCES

[1]. Methyl aminolevulinate, From Wikipedia

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

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