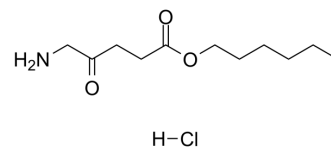


Hexaminolevulinate hydrochloride

Cat. No.:	HY-16045		
CAS No.:	140898-91-5		
Molecular Formula:	C ₁₁ H ₂₂ ClNO ₃		
Molecular Weight:	251.75		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (397.22 mM; Need ultrasonic)
 DMSO : ≥ 41 mg/mL (162.86 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration			
	1 mM		3.9722 mL	19.8610 mL	39.7219 mL
	5 mM		0.7944 mL	3.9722 mL	7.9444 mL
	10 mM		0.3972 mL	1.9861 mL	3.9722 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 (9.93 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.93 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Hexaminolevulinate hydrochloride is a fluorescent agent, has approved for cystoscopic detection of papillary bladder cancer.

REFERENCES

[1]. Rose JB, et al. Budget impact of incorporating one instillation of hexaminolevulinate hydrochloride blue-light cytology in transurethral bladder tumour resection for patients with non-muscle-invasive bladder cancer in Sweden. *BJU Int.* 2015 Aug 25. doi: 10.1111/bju.13261.

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

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