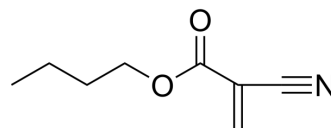


Enbucrilate

Cat. No.:	HY-107346	
CAS No.:	6606-65-1	
Molecular Formula:	C ₈ H ₁₁ NO ₂	
Molecular Weight:	153.18	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (652.83 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.5283 mL	32.6413 mL	65.2827 mL
	5 mM	1.3057 mL	6.5283 mL	13.0565 mL
	10 mM	0.6528 mL	3.2641 mL	6.5283 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 (16.32 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (16.32 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Enbucrilate (Butyl cyanoacrylate) is a cyanoacrylate ester that has been used as surgical tissue adhesive.

In Vivo

Enbucrilate offers an important intervention in gastric variceal bleeding which should be further studied in the US. A randomized trial is warranted to compare this intervention to radiological therapy^[1]. The tissue adhesive Enbucrilate seems to be a safe, efficient agent to obtain good results in a simple, quick approach in the surgical treatment of symptomatic nephroptosis^[2].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Caldwell SH, et al. Enbucrilate for gastric varices: extended experience in 92 patients. *Aliment Pharmacol Ther.* 2007 Jul 1;26(1):49-59.
- [2]. Gyftopoulos KI, et al. The use of the tissue adhesive enbucrilate (histoacryl) in the treatment of symptomatic nephroptosis. *Urol Int.* 2002;69(4):313-7.
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Caution: Product has not been fully validated for medical applications. For research use only.

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