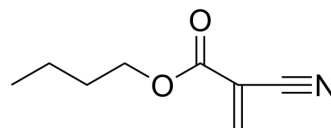


## Enbucrilate

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



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (652.83 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		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	1. 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					
	2. 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					
	3. 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	<p>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<sup>[1]</sup>. 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<sup>[2]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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## REFERENCES

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- [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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