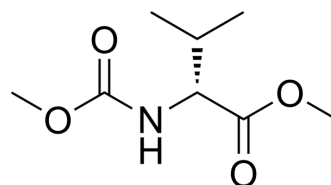


## N-(Methoxycarbonyl)-D-valine methyl ester

Cat. No.:	HY-79709		
CAS No.:	153575-98-5		
Molecular Formula:	C <sub>8</sub> H <sub>15</sub> NO <sub>4</sub>		
Molecular Weight:	189.21		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (528.51 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.2851 mL	26.4257 mL	52.8513 mL
	5 mM	1.0570 mL	5.2851 mL	10.5703 mL
	10 mM	0.5285 mL	2.6426 mL	5.2851 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 (13.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (13.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (13.21 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

N-(Methoxycarbonyl)-D-valine methyl ester is an amino acid derivative that can be used for compound synthesis<sup>[1]</sup>.

### REFERENCES

[1]. Anantharaj S, et al. Catalysts and temperature driven melt polycondensation reaction for helical poly (ester-urethane) s based on natural L-amino acids. Journal of

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

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