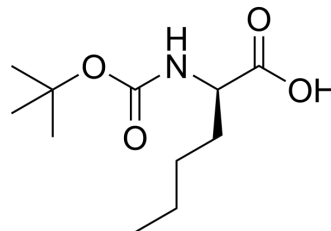


Boc-D-norleucine

Cat. No.:	HY-41912B		
CAS No.:	55674-63-0		
Molecular Formula:	C ₁₁ H ₂₁ NO ₄		
Molecular Weight:	231.29		
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 (432.36 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.3236 mL	21.6179 mL	43.2358 mL
	5 mM	0.8647 mL	4.3236 mL	8.6472 mL
	10 mM	0.4324 mL	2.1618 mL	4.3236 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 (10.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (10.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (10.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Boc-D-norleucine (Boc-D-Nle-OH) is a leucine derivative that can be used for peptide synthesis^[1].

REFERENCES

[1]. Mehr-Un-Nisa, et al. C-terminal modified Enkephalin-like tetrapeptides with enhanced affinities at the kappa opioid receptor and monoamine transporters. Bioorg Med

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

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