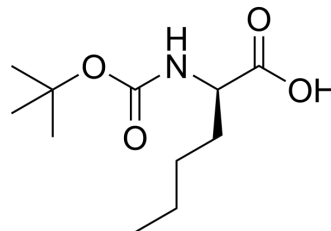


Boc-D-norleucine

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:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (432.36 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		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	1. 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				
	2. 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				
	3. 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] .
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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 Chem.* 2021 Dec 1;51:116509.

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

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