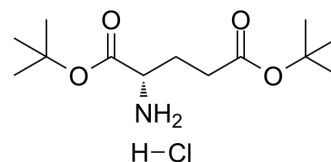


H-Glu(OtBu)-OtBu hydrochloride

Cat. No.:	HY-20167A
CAS No.:	32677-01-3
Molecular Formula:	C ₁₃ H ₂₆ ClNO ₄
Molecular Weight:	295.8
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (338.07 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.3807 mL	16.9033 mL	33.8066 mL
		5 mM	0.6761 mL	3.3807 mL	6.7613 mL
	10 mM	0.3381 mL	1.6903 mL	3.3807 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.45 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.45 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.45 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	H-Glu(OtBu)-OtBu hydrochloride is a glutamate derivative that can be used for substance P antagonist synthesis ^[1] .
IC₅₀ & Target	Substance P ^[1]

REFERENCES

[1]. Manolopoulou A, et al. Synthesis of potent antagonists of substance P by modifying the methionyl and glutaminyl residues of its C-terminal hexapeptide and without

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

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