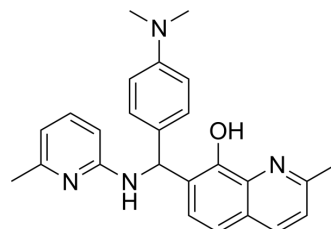


BoNT-IN-2

Cat. No.:	HY-111535
CAS No.:	354784-03-5
Molecular Formula:	C ₂₅ H ₂₆ N ₄ O
Molecular Weight:	398.5
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 5 mg/mL (12.55 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	2.5094 mL	12.5471 mL	25.0941 mL
		5 mM	0.5019 mL	2.5094 mL	5.0188 mL
		10 mM	0.2509 mL	1.2547 mL	2.5094 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: ≥ 0.5 mg/mL (1.25 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.5 mg/mL (1.25 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.5 mg/mL (1.25 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BoNT-IN-2 (Compound 33) is a Botulinum Neurotoxin A Light Chain (BoNT/A LC) inhibitor with an IC ₅₀ of 4.5 μM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 4.5 μM (BoNT/A LC) ^[1]

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA