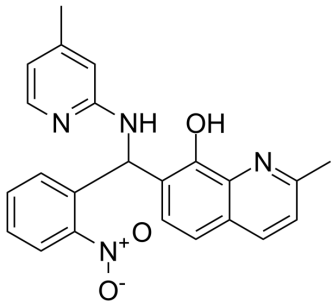
BoNT-IN-1

Cat. No.:	HY-18671		
CAS No.:	694443-03-3		
Molecular Formula:	$C_{23}H_{20}N_4O_3$		
Molecular Weight:	400.43		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (249.73 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4973 mL	12.4866 mL	24.9732 mL
	5 mM	0.4995 mL	2.4973 mL	4.9946 mL
	10 mM	0.2497 mL	1.2487 mL	2.4973 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 (6.24 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BoNT-IN-1 is a potent inhibitor of Botulinum neurotoxin A light chain (BoNTA LC) with IC50 of 0.9 uM.IC50 value: 0.9 uMTarget: BoNT in vitro: BoNT-IN-1 targets BoNT/A LC enzymatic activity,is highly efficient in vitro, BoNT-IN-1 has good property in cell-based, as well as tissue-based assays.

REFERENCES

[1]. Caglic D, et al. Identification of clinically viable quinolinol inhibitors of botulinum neurotoxin A light chain. J Med Chem. 2014 Feb 13;57(3):669-676.

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

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