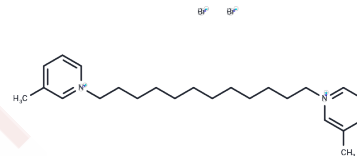


bPiDDB

Chemical Properties

CAS No. :	525596-66-1
Formula:	C ₂₄ H ₃₈ Br ₂ N ₂
Molecular Weight:	514.38
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	bPiDDB (N,N'-Dodecylbis-Picolinium Bromide) is a nicotinic receptor (nAChR) antagonist.
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: 5.15 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9441 mL	9.7204 mL	19.4409 mL
5 mM	0.3888 mL	1.9441 mL	3.8882 mL
10 mM	0.1944 mL	0.972 mL	1.9441 mL
50 mM	0.0389 mL	0.1944 mL	0.3888 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Smith AM, et al. Repeated nicotine administration robustly increases bPiDDB inhibitory potency at alpha6beta2-containing nicotinic receptors mediating nicotine-evoked dopamine release. *Biochem Pharmacol.* 2010 Aug 1;80(3):402-9.

Albayati ZA, Dwoskin LP, Crooks PA. Pharmacokinetics of the novel nicotinic receptor antagonist N,N'-dodecane-1,12-diyl-bis-3-picolinium dibromide in the rat. *Drug Metab Dispos.* 2008 Oct;36(10):2024-9.

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