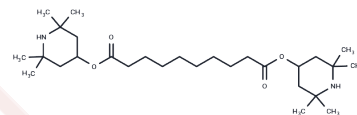


BTMPS

Chemical Properties

CAS No. :	52829-07-9
Formula:	C ₂₈ H ₅₂ N ₂ O ₄
Molecular Weight:	480.72
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	BTMPS is a usage-dependent nicotinic antagonist capable of reducing acute withdrawal symptoms associated with morphine use. BTMPS is a light stabiliser that delays oxidation in plastics and coatings.
Targets(IC50)	AChR

Solubility Information

Solubility	DMSO: 8 mg/mL (16.64 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	2.0802 mL	10.4011 mL	20.8021 mL
5 mM	0.416 mL	2.0802 mL	4.1604 mL
10 mM	0.208 mL	1.0401 mL	2.0802 mL
50 mM	0.0416 mL	0.208 mL	0.416 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

Brandon J Hall, et al. The use-dependent, nicotinic antagonist BTMPS reduces the adverse consequences of morphine self-administration in rats in an abstinence model of drug seeking. *Neuropharmacology*. 2011 Sep;61(4):798-806.

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