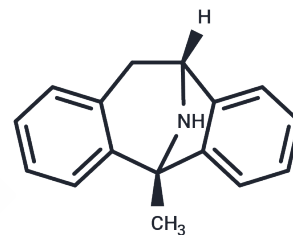


## Dizocilpine

## Chemical Properties

CAS No. :	77086-21-6
Formula:	C <sub>16</sub> H <sub>15</sub> N
Molecular Weight:	221.3
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	MK-801 (Dizocilpine (MK-801)) is a potent N-methyl-D-aspartate (NMDA) receptor antagonist with K <sub>i</sub> of 30.5 nM.
Targets(IC50)	NMDAR,iGluR

## Solubility Information

Solubility	DMSO: 55 mg/mL (248.53 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	4.5188 mL	22.5938 mL	45.1875 mL
5 mM	0.9038 mL	4.5188 mL	9.0375 mL
10 mM	0.4519 mL	2.2594 mL	4.5188 mL
50 mM	0.0904 mL	0.4519 mL	0.9038 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.

## Reference

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- Zhou H, Shi H, Li X, et al. Involvement of Cyclin Dependent Kinase 5 in M4 Muscarinic Acetylcholine Receptor-Mediated Cholinergic Transmission within the Mouse Dorsal Striatum[J]. 2021

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