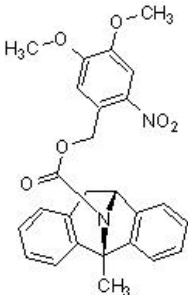


Product datasheet

Caged MK 801, NMDA receptor open-channel blocker
ab146431

Overview

Product name	Caged MK 801, NMDA receptor open-channel blocker
Description	Caged, potent, selective, non-competitive, irreversible NMDA receptor open-channel blocker. Uncaged by UV light.
Biological description	Caged, potent, selective, non-competitive, irreversible NMDA receptor open-channel blocker. UV-active MK 801 (ab144485 , ab120027 , ab120028) analog. Shows anticonvulsant effects <i>in vivo</i> .
Purity	> 99%
CAS Number	217176-91-5
Chemical structure	

Properties

Chemical name	(5 <i>S</i> ,10 <i>R</i>)-10,11-Dihydro-5-methyl-5 <i>H</i> -dibenzo[<i>a,d</i>]cyclohepten-5,10-imine-12-carboxylic acid (4,5-dimethoxy-2-nitrophenyl)methyl ester
Molecular weight	460.49
Molecular formula	C ₂₆ H ₂₄ N ₂ O ₆
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
Solubility overview	Soluble in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

[O-][N+](=O)c5cc(OC)c(OC)cc5COC(=O)N4[C@@H]3Cc1cccc1[C@@]4(C)c2cccc23

Source

Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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