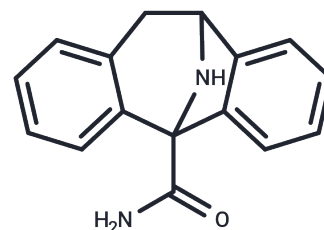


ADCI

Chemical Properties

CAS No. : 124070-15-1
Formula: C₁₆H₁₄N₂O
Molecular Weight: 250.3
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	ADCI is an inhibitor of voltage-activated sodium channels and N-methyl-D-aspartate (NMDA)-receptor-gated channels. Inhibition of sodium channels by ADCI was voltage dependent. High doses of ADCI increased dopamine metabolism in the prefrontal cortex and/or in the nucleus accumbens, but not in the dorsal striatum.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9952 mL	19.976 mL	39.9521 mL
5 mM	0.799 mL	3.9952 mL	7.9904 mL
10 mM	0.3995 mL	1.9976 mL	3.9952 mL
50 mM	0.0799 mL	0.3995 mL	0.799 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

Sun L, Lin SS. The anticonvulsant SGB-017 (ADCI) blocks voltage-gated sodium channels in rat and human neurons: comparison with carbamazepine. *Epilepsia*. 2000 Mar;41(3):263-70. PubMed PMID: 10714396.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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