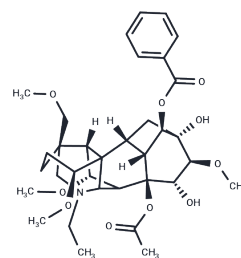


3-Deoxyaconitine

Chemical Properties

CAS No. :	3175-95-9
Formula:	C ₃₄ H ₄₇ NO ₁₀
Molecular Weight:	629.74
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	3- Deoxyaconitine is a derivative of Aconitine (A189875), which activates tetrodotoxin-sensitive Na ⁺ channels, inducing presynaptic depolarization, thus blocking the nerve action potential which, in turn, blocks the release of neurotransmitters and decreases the end plate potential at the neuromuscular junction.
Targets(IC50)	Sodium Channel

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 50 mg/mL (79.4 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	1.588 mL	7.9398 mL	15.8796 mL
5 mM	0.3176 mL	1.588 mL	3.1759 mL
10 mM	0.1588 mL	0.794 mL	1.588 mL
50 mM	0.0318 mL	0.1588 mL	0.3176 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

Derbre, S., et al.: Anal. Bioanal. Chem., 398, 1747 (2010),
Li, M., et al.: J. Pharm. Biomed. Anal., 53, 1063 (2010)

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