



LKT Laboratories, Inc.

Hypaconitine

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Product Information

Product ID H9759

CAS No. 6900-87-4

Chemical Name 16,16-trimethoxy-4-(methoxymethyl)-20-methyl- 8-acetatebenzoate-(1-alpha,6-alpha,14-alpha,15-alpha,16-beta)-Aconitane-8,13,14,15-tetraol

Synonym

Formula $C_{33}H_{45}NO_{10}$

Formula Wt. 615.71

Melting Point

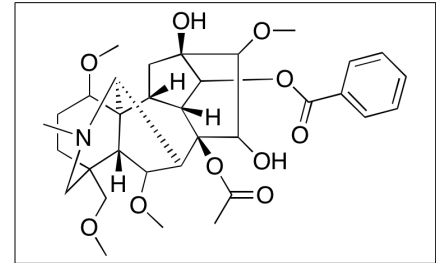
Purity $\geq 90\%$

Solubility

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Hypaconitine is a diterpene alkaloid originally found in *Aconitum* that acts as a neuromuscular junction blocker. Hypaconitine inhibits end plate potentials in isolated phrenic nerve-diaphragm muscles. Hypaconitine induces long-term opening of Na^{+} channels, causing membrane depolarization and preventing repolarization.



Bulk quantities available upon request

Product ID	Size
H9759	10 mg
H9759	25 mg
H9759	100 mg

References Muroi M, Kimura I, Kimura M. Blocking effects of hypaconitine and aconitine on nerve action potentials in phrenic nerve-diaphragm muscles of mice. *Neuropharmacology*. 1990 Jun;29(6):567-72. PMID: 2385329.

Kimura M, Muroi M, Kimura I, et al. Hypaconitine, the dominant constituent responsible for the neuromuscular blocking action of the Japanese-sino medicine "bushi" (aconite root). *Jpn J Pharmacol*. 1988 Oct;48(2):290-3. PMID: 3210453.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.