



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- α ,6- α ,14- α ,15- α ,16- β)-Aconitane-8,13,14,15-tetraol

Synonym Japaconitine C, Deoxymesaconitine

Formula C₃₃H₄₅NO₁₀

Formula Wt. 615.71

Melting Point

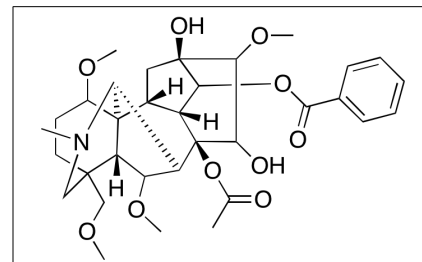
Purity $\geq 90\%$

Solubility

Store Temp -20°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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
H9759	10 mg	\$183.80
H9759	25 mg	\$341.50
H9759	100 mg	\$1050.30

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.