



LKT Laboratories, Inc.

Aconitine

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Product Information

Product ID A0958

CAS No. 302-27-2

Chemical Name (1 α ,3 α ,6 α ,14 α ,15 α ,16 β)-20-Ethyl-1,6,16-trimethoxy-4-(methoxymethyl)aconitane-3,8,13,14,15-pentol 8-acetate 14-benzoate

Synonym 20-ethyl-3 α ,13,15 α -trihydroxy-1 α ,6 α ,16 β -trimethoxy-4-(methoxymethyl)aconitane-8,14 α -diyl 8-acetate 14-benzoate:
Acetylbenzoylaconine

Formula C₃₄H₄₇NO₁₁

Formula Wt. 645.74

Melting Point 204° C

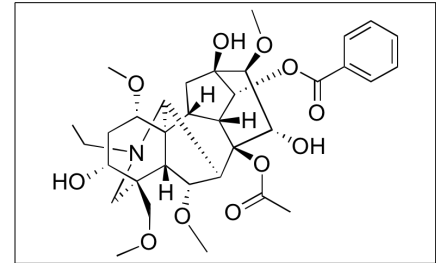
Purity \geq 95%

Solubility Soluble in water (0.3 mg/mL) or ethanol (35 mg/mL).

Store Temp 4° C

Ship Temp Ambient

Description Aconitine is a toxin found in *Aconitum* that exhibits antipyretic, antihypertensive, analgesic, and antinociceptive activities. Aconitine binds neurotoxin binding site 2 of Na⁺ channels, forcing the channel to stay open longer, allowing continual depolarization, Na⁺ influx, and eventually paralysis. Aconitine acts as a positive inotrope, potentially inducing cardiac arrhythmia.



Bulk quantities available upon request

Product ID	Size
A0958	10 mg
A0958	25 mg
A0958	100 mg

References Chan TY. Aconite poisoning. *Clin Toxicol (Phila)*. 2009 Apr;47(4):279-85. PMID: 19514874.

Gutser UT, Friese J, Heubach JF, et al. Mode of antinociceptive and toxic action of alkaloids of *Aconitum* spec. *Naunyn Schmiedebergs Arch Pharmacol*. 1998 Jan;357(1):39-48. PMID: 9459571.

Okazaki M, Kimura I, Kimura M. Aconitine-induced increase and decrease of acetylcholine release in the mouse phrenic nerve-hemidiaphragm muscle preparation. *Jpn J Pharmacol*. 1994 Dec;66(4):421-6. PMID: 7723217.

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