



LKT Laboratories, Inc.

Bulleyaconitine A

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Product Information

Product ID B8144

CAS No. 107668-79-1

Chemical Name

Synonym

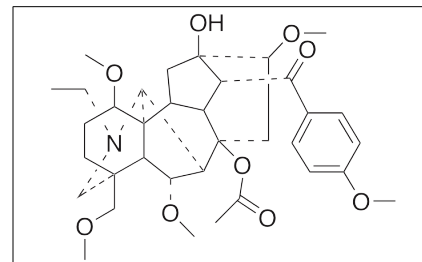
Formula $C_{35}H_{49}NO_9$

Formula Wt. 627.76

Melting Point

Purity $\geq 95\%$

Solubility Soluble in ethyl ether and alcohol. Insoluble in water.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B8144	10 mg	\$98.40
B8144	100 mg	\$574.00

Store Temp 4°C

Ship Temp Ambient

Description Bulleyaconitine A (BLA) is found in *Aconitum bulleyanum* and exhibits analgesic and anesthetic activity. BLA has been used as a treatment for a variety of pain-related and inflammatory disorders. BLA inhibits voltage-gated Na⁺ channels in a use-dependent manner, reducing peak Na⁺ currents during repeated stimulation in vitro and in vivo. In animal models, combination of BLA with lidocaine or epinephrine reduces drug absorption and prolonged the anesthetic effect with minimal adverse effects. Like other aconitines, BLA is thought to act at neurotoxin receptor site 2.

References Wang CF, Gerner P, Schmidt B, et al. Use of bulleyaconitine A as an adjuvant for prolonged cutaneous analgesia in the rat. *Anesth Analg*. 2008 Oct;107(4):1397-405. PMID: 18806059.

Wang CF, Gerner P, Wang SY, et al. [Bulleyaconitine A isolated from aconitum plant displays long-acting local anesthetic properties in vitro and in vivo.](#) *Anesthesiology*. 2007 Jul;107(1):82-90. PMID: 17585219.

Catterall WA, Gainer M. Interaction of brevetoxin A with a new receptor site on the sodium channel. *Toxicon*. 1985;23(3):497-504. PMID: 2411017.

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