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Product Information

Product ID CAS No.	L0060 32854-75-4		
Chemical Name	(1α,14α,16β)-20-Ethyl-1,14,16-trimethoxyaconitane- 4,8,9-triol 4-[2- (acetylamino)-benzoate]		-N ОН
Synonym	(+)-Lappaconitine		
Formula	C ₃₂ H ₄₄ N ₂ O ₈	0	
Formula Wt.	584.70		
Melting Point	217-218°C		
Purity	≥98%	Product ID	Size
Solubility	Soluble in benzene. Slightly soluble in alcohol and ether. Practically insoluble	L0060 L0060 L0060	25 mg 100 mg 500 mg
Store Temp	4°C		
Ship Temp	Ambient		
Description	Lappaconitine is an alkaloid originally found in species of <i>Aconitum</i> that exhibits a anti-arrhythmic, and antiepileptic/anticonvulsant activities. Lappaconitine increases	U ,	

anti-arrhythmic, and antiepileptic/anticonvulsant activities. Lappaconitine increases pain threshold and downregulates expression of P2X3 receptors in dorsal root ganglion (DRG) neurons in models of chronic constrictive injury. Lappaconitine also inhibits paw and ear edema in vivo. In vitro, this compound inhibits excitability of hippocampal pyramidal cells and decreases epileptiform burst duration. Additionally, lappaconitine displays class I anti-arrhythmic activity, inducing negative inotropic activity in vivo and inhibiting human heart Na+ channels by binding at neurotoxin site 2.

References Ou S, Zhao YD, Xiao Z, et al. Effect of lappaconitine on neuropathic pain mediated by P2X3 receptor in rat dorsal root ganglion. Neurochem Int. 2011 Apr;58(5):564-73. PMID: 21272608.

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