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Aconitine

Art. ID	TRC-A189875-5MG
Unit	5 mg
Deliverydetails	ADR Dangerous Good (DG) / AIR Dangerous Good (DG) UN1544 I E5

Description

Category: Amines, Aromatics, Chiral Reagents, Pharmaceuticals, Intermediates and Fine Chemicals /// Appearance: Off-White Solid /// Application Notes: Neurotoxin. Activates tetrodotoxin-sensitive Na+ channels, inducing presynaptic depolarization, thus blocking the nerve action potential which, in turn, blocks the release of neurotransmitters and decreases the end plate potential at the neuromuscular junction. Aconitine also blocks norepinephrine reuptake. In the heart, aconitine induces ventricular tachycardia after intracoronary injection. In cultured ventricular myocytes, aconitine increases the duration of the action potential and induces the appearance of early after depolarization.Used in producing heart arrhythmia in experimental animals. /// References: Derbre, S., et al.: Anal. Bioanal. Chem., 398, 1747 (2010), Li, M., et al.: J. Pharm. Biomed. Anal., 53, 1063 (2010)

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Aconitine	[302-27-2]				