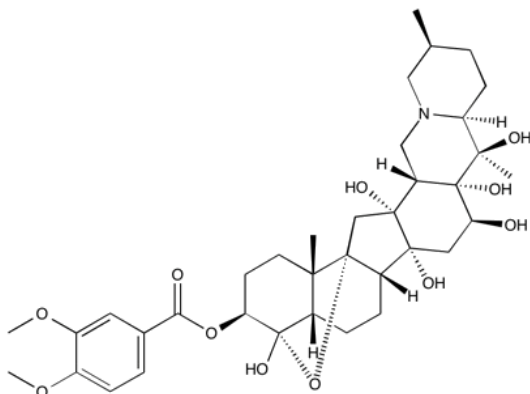


Catalog # 10-1017

Veratridine

CAS# 71-62-5

Lot # X102035



A steroidal alkaloid. Voltage-gated Na⁺ channel activator¹. May be used to increase Na⁺ concentration in cardiomyocytes² and in cultured sympathetic neurons³. Toxic: LD₅₀=1.35 mg/Kg (mouse i.p.)

- 1) Fekete *et al.* (2009), *Mechanism of the persistent sodium current activator veratridine-evoked Ca elevation: implication for epilepsy*; J. Neurochem., **111** 745
- 2) Chen *et al.* (1997), *Differential effects of CA²⁺ channel blockers on Ca²⁺ overload induced by lysophosphatidylcholine in cardiomyocytes*; Eur. J. Pharmacol., **333** 261
- 3) Koike *et al.* (2000), *Sodium overload through voltage-dependent Na(+) channels induces necrosis and apoptosis of rat superior cervical ganglion cells in vitro*; Brain Res. Bull., **51** 345

PHYSICAL DATA

Molecular Weight:	673.81
Molecular Formula:	C ₃₆ H ₅₁ NO ₁₁
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml), or ethanol (up to 25 mg/ml)
Physical Description:	White to off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

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