

Product Information

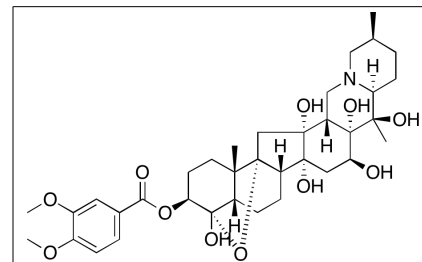
Product ID V1871
CAS No. 71-62-5
Chemical Name

Synonym

Formula C₃₆H₅₁NO₁₁
Formula Wt. 673.8
Melting Point 180° C
Purity ≥98%
Solubility DMSO (25 mg/ml), ethanol
(25 mg/ml)

Store Temp -20° C
Ship Temp Ambient

Description Veratridine is an alkaloid from the plant Liliaceae that has been shown to exhibit synergistic anti-tumor effects in combination with chemotherapeutic drugs. It has been found to upregulate the Ubiquitin-like-domain-containing protein UBXN2A in the cytoplasm, which then induces cell death. In other studies, Veratridine binds to neurotoxin receptor site 2 on voltage-gated sodium channels, which then inhibits inactivation of the channel. This binding site is also the target for various antiepileptic drugs. An increase in the non-inactivating sodium current has been associated with mutations on the voltage-gated sodium channel that cause epilepsy.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
V1871	5 mg	\$52.50
V1871	10 mg	\$99.20
V1871	25 mg	\$204.00
V1871	100 mg	\$606.40

References Abdullah A, Sane S, Branick KA, et al. A plant alkaloid, veratridine, potentiates cancer chemosensitivity by UBXN2A-dependent inhibition of an oncoprotein, mortalin-2. *Oncotarget*. 2015 Sep 15; 6(27): 23561-23581. PMID: 26188124.

Fekete A, Franklin L, Ikemoto T, Rózsa B, Lendvai B, Sylvester Vizi E, Zelles T. Mechanism of the persistent sodium current activator veratridine-evoked Ca elevation: implication for epilepsy. *J Neurochem*. 2009 Nov;111(3):745-56. doi: 10.1111/j.1471-4159.2009.06368.x. Epub 2009 Aug 31 PMID: 19719824.

Chen M1, Xiao CY, Hashizume H, Abiko Y. Differential effects of Ca²⁺ channel blockers on Ca²⁺ overload induced by lysophosphatidylcholine in cardiomyocytes. *Eur J Pharmacol*. 1997 Aug 27;333(2-3):261-8. PMID: 9314043.

Koike T, Tanaka S, Oda1 T, Ninomiya T. Sodium overload through voltage-dependent Na(+) channels induces necrosis and apoptosis of rat superior cervical ganglion cells in vitro. *Brain Res Bull*. 2000 Mar 1;51(4):345-55, PMID: 10704786

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