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## DATASHEET

Veratridine

### Product overview

<b>Name</b>	Veratridine
<b>Cat No</b>	HB1006
<b>Biological action</b>	Activator
<b>Purity</b>	>98%
<b>Description</b>	Na <sup>+</sup> channel activator

### Images



### Biological Data

<b>Biological description</b>	Na <sup>+</sup> channel activator. Binds to active channels and prevents the inactive state. Increases persistent sodium current and intracellular Ca <sup>2+</sup> . Increases reverse Na <sup>+</sup> / Ca <sup>2+</sup> exchange current, pump activity and exocytosis. Induces action potentials and extended membrane depolarization.
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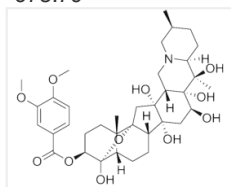
### Solubility & Handling

<b>Storage instructions</b>	-20°C
<b>Solubility overview</b>	Soluble in DMSO (50mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	4α,9-Epoxy-3β-veratroyloxy-5β-cevan-4β, 12,14,16β,17,20-hexaol
<b>Molecular Weight</b>	673.79

**Chemical structure**



<b>Molecular Formula</b>	C <sub>36</sub> H <sub>51</sub> NO <sub>11</sub>
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CAS Number	71-62-5
PubChem identifier	6280
SMILES	<chem>O=C(C8=CC=C(OC)C(OC)=C8)O[C@H]1CC[C@@]2(C)[C@@]3([H])[C@@](O)1O[C@@]4[C@@]([C@@](C[C@H](O)[C@@]6(O)[C@]([H])5CN7[C@](CC[C@H](C)C7)([H])[C@@](O)6C)(O)[C@@]5(O)C4)([H])CC3</chem>
InChiKey	FVECELJHCSPHKY-YFUMOZOISA-N

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## References

### Effects of veratridine on sodium currents and fluxes.

Ulbricht W (1998) Rev Physiol Biochem Pharmacol 133

PubMedID [9600010](#)

### Mechanism of the persistent sodium current activator veratridine-evoked Ca elevation: implication for epilepsy.

Fekete A *et al* (2009) J Neurochem 111(3)

PubMedID [19719824](#)

### Effects of Ca<sup>2+</sup> channel antagonists on chromaffin cell death and cytosolic Ca<sup>2+</sup> oscillations induced by veratridine.

Maroto R *et al* (1994) Eur J Pharmacol 270(4)

PubMedID [7805782](#)

### [Involvement of veratridine-induced increase of reverse Na<sup>(+)</sup>/Ca<sup>(2+)</sup> exchange current in intracellular Ca<sup>(2+)</sup> overload and extension of action potential duration in rabbit ventricular myocytes].

Kong LH *et al* (2012) Sheng Li Xue Bao 64(4)

PubMedID [22907304](#)

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