Datasheet

Product overview

Name: Veratridine
Cat No: HB1006
Short description: Na⁺ channel activator
Biological description: Na⁺ channel activator. Binds to active channels and prevents the inactive state. Increases persistent sodium current and intracellular Ca²⁺. Increases reverse Na⁺ / Ca²⁺ exchange current, pump activity and exocytosis. Induces action potentials and extended membrane depolarization.

Biological action: Activator
Purity: >98%

Properties

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

Molecular Formula: C₃₆H₅₁NO₁₁
CAS Number: 71-62-5
PubChem identifier: 6280
SMILES: O=C(C8=CC=C(OC)C(OC)=C8)O[C@H]1CC[C@@][C@][C@@]2(C)[C@@][C@@][3[H]][C@@][O][O]O[C@@][C@@][C@][C@@][C@][C@][C@@][O]
InChiKey: FVECELJHCSHPKHYFUMOZOISA-N

Storing and Using Your Product

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

References for Veratridine
Effects of veratridine on sodium currents and fluxes.
PubMedID: 9600010

Mechanism of the persistent sodium current activator veratridine-evoked Ca elevation: implication for epilepsy.
PubMedID: 19719824

Effects of Ca2+ channel antagonists on chromaffin cell death and cytosolic Ca2+ oscillations induced by veratridine.
PubMedID: 7805782

[Involvement of veratridine-induced increase of reverse Na(+)/Ca(2+) exchange current in intracellular Ca(2+) overload and extension of action potential duration in rabbit ventricular myocytes].
PubMedID: 22907304