



Product Information

Deltaline

Cat. No.: X22-05-ZQ274

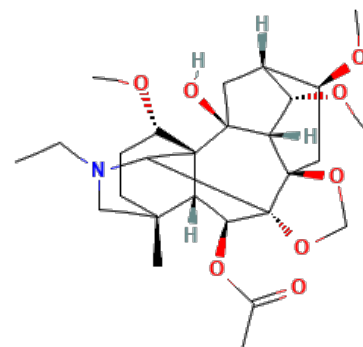
Size: 5 mg; 20 mg; 50 mg; 100 mg

CAS Number: 6836-11-9

Compound CID: 441728

Synonym: 6836-11-9; Deltaline; Delphelatine;

[(1R,2S,3S,4S,5R,6S,8R,12S,16R,19S,20R,21S)-14-Ethyl-2-Hydroxy-4,6,19-trimethoxy-16-methyl-9,11-dioxo-14-azaheptacyclo[10.7.2.12,5.01,13.03,8.08,12.016,20]docosan-21-yl] acetate



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Deltaline is an alkaloid and a toxin that reduces sciatic nerve stimulation-induced compound muscle action potentials (CMAPs) in isolated lizard extensor digitorum longus muscle. Deltaline increases the number of falls from a beam and decreases the time spent mobile in an open field test, markers of neuromuscular impairment, in mice. It also induces lethality in mice. This product can be used for research in the field of agriculture and pharmaceuticals.
Molecular Weight	507.62
Molecular Formula	C ₂₇ H ₄₁ NO ₈
IUPAC Name	[(1R,2S,3S,4S,5R,6S,8R,12S,16R,19S,20R,21S)-14-Ethyl-2-Hydroxy-4,6,19-trimethoxy-16-methyl-9,11-dioxo-14-azaheptacyclo[10.7.2.12,5.01,13.03,8.08,12.016,20]docosan-21-yl] acetate
InChI	InChI=1S/C27H41NO8/c1-7-28-12-23(3)9-8-17(32-5)26-20(23)21(36-14(2)29)27(22(26)28)25(34-13-35-27)11-16(31-4)15-10-24(26,30)19(25)18(15)33-6/h15-22,30H,7-13H2,1-6H3/t15-,16+,17+,18+,19+,20-,21+,22?,23+,24+,25-,26-,27-/m1/s1
InChI Key	DTTPWCNKTMQMTE-DZZCPBQSSA-N
Canonical SMILES	CCN1CC2(CCC(C ₃₄ C2C(C5(C31)C6(CC(C7CC4(C6C7OC)O)OC)OCO5)OC(=O)C)OC)C
Isomeric SMILES	CCN1C[C@@]2(CC[C@@H]([C@@]34[C@@H]2[C@@H]([C@@]5(C31)[C@]6(C[C@@H]([C@H]7C[C@@]4([C@H]6[C@H]7OC)O)OC)OCO5)OC(=O)C)OC)C
Source	<i>Aconitum carmichaeli</i>
Part Used	Daughter roots
Form	White powder



Purity	≥98%, determined by HPLC.
Solubility	It is soluble in methanol, acid solution.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Deltaline can be used for research in the field of agriculture and pharmaceuticals.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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