CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Vindoline

Cat. No.: X23-04-XQ316

Size: 20 mg; 50 mg; 100 mg; 200 mg

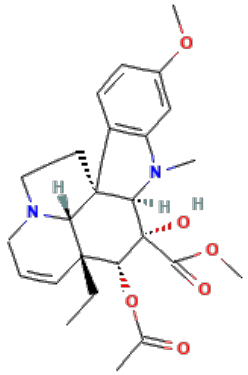
MDL: MFCD27991347

CAS Number: 2182-14-1

Compound CID: 260535

Synonym: 2182-14-1; Vindoline; Vindolin; (-)-Vindoline; Methyl 4-(acetyloxy)-3-hydroxy-16-methoxy-1-methyl-6,7-didehydroaspidospermidine-3-carboxylate

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



Product Information

Description	Vindoline is a monomeric vinca-alkaloid, forms lower portion of the lead anti-tumor agents, vinblastine and vincristine.
Molecular Weight	456.53
Molecular Formula	$C_{25}H_{32}N_2O_6$
IUPAC Name	Methyl (1*R*,9*R*,10*S*,11*R*,12*R*,19*R*)-11-acetyloxy-12-ethyl-10-hydroxy-5-methoxy-8-methyl-8,16-diazapentacyclo[10.6.1.01,9.02,7.016,19]nonadeca-2(7),3,5,13-tetraene-10-carboxylate
InChI	InChI=1S/C25H32N2O6/c1-6-23-10-7-12-27-13-11-24(19(23)27)17-9-8-16(31-4)14-18(17)26(3)20(24)25(30,22(29)32-5)21(23)33-15(2)28/h7-10,14,19-21,30H,6,11-13H2,1-5H3/t19-,20+,21+,23+,24+,25-/m0/s1
InChI Key	CXBGOBGJHGGWIE-ACSXSLCXSA-N
Canonical SMILES	CCC12C=CCN3C1C4(CC3)C(C(C2OC(=O)C)(C(=O)OC)O)N(C5=C4C=CC(=C5)OC)C
Isomeric SMILES	CC[C@@]12C=CCN3[C@@H]1[C@]4(CC3)[C@H]([C@]([C@@H]2OC(=O)C)(C(=O)OC)O)N(C5=C4C=CC(=C5)OC)C
Source	The *phlox family Catharanthus roseus*
Form	White crystals
Purity	>98%, determined by HPLC.
Solubility	It is soluble in methanol, DMSO and other solvents, insoluble in petroleum ether.
Identity	Confirmed by NMR and MS.

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Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Vindoline can be used for analgesic and diuretic property experiments, *etc*.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask

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