CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

Jervine

Cat. No.: X23-12-YM1006

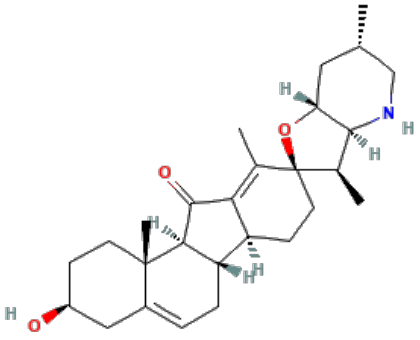
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 469-59-0

Compound CID: 10098

Synonym: 469-59-0; 11-Ketocyclopamine

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



Product Information

Description	Jervine, soluble in DMSO and ethanol and insoluble in water, inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	425.6
Molecular Formula	$C_{27}H_{39}NO_3$
IUPAC Name	(3*S*,3'*R*,3'a*S*,6'*S*,6a*S*,6b*S*,7'a*R*,9*R*,11a*S*,11b*R*)-3-Hydroxy-3',6',10,11b- t e tra meth ylspiro[1,2 ,3,4,6,6a,6b,7,8,11a- decahydrobenzo[a]fluorene-9,2'-3a,4,5,6,7,7a-hexahydro-3*H*-furo[3,2-b]pyridine]-11-one
InChI	InChI=1S/C27H39NO3/c1-14-11-21-24(28-13-14)16(3)27(31-21)10-8-19-20-6-5-17-12-18(29)7-9-26(17,4)23(20)25(30)22(19)15(27)2/h5,14,16,18-21,23-24,28-29H,6-13H2,1-4H3/t14-,16+,18-,19-,20-,21+,23+,24-,26-,27-/m0/s1
InChI Key	CLEXYFLHGFJONT-DNMILWOZSA-N
Canonical SMILES	CC1CC2C(C(C3(O2)CCC4C5CC=C6CC(CCC6(C5C(=O)C4=C3C)C)O)C)NC1
Isomeric SMILES	C[C@H]1C[C@@H]2[C@H]([C@H]([C@]3(O2)CC[C@H]4[C@@H]5CC=C6C[C@H](CC[C@@]6([C@H]5C(=O)C4=C3C)C)O)C)NC1
Form	Lyophilized powder
Purity	>98%
Solubility	DMSO: 4 mg/mL (9.39 mM); Water: insoluble; Ethanol: 2 mg/mL

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Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Jervine can be used for its emetic (vomiting-inducing) effects.
Storage	Store at -20°C, and keep desiccated.