

Product Information

Adynerin

Cat. No.: X23-04-XQ481

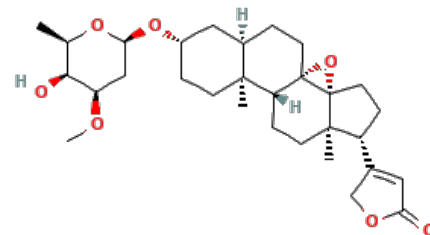
Size: 20 mg; 50 mg; 100 mg; 200 mg

CAS Number: 35109-93-4

Compound CID: 441840

Synonym: 35109-93-4; Adynerigenin 3-O-beta-D-diginoside; 3-[(2,6-Dideoxy-3-o-methylhexopyranosyl)oxy]-8,14-epoxycard-20(22)-enolide

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



Product Information

Description	Adynerin is a cardenolide glycoside found in <i>Nerium oleander</i> .
Molecular Weight	516.67
Molecular Formula	C ₃₀ H ₄₄ O ₁₇
IUPAC Name	3-[(1S,3R,6R,7R,10R,11S,14S,16R)-14-[(2R,4R,5S,6R)-5-Hydroxy-4-methoxy-6-methyloxan-2-yl]oxy-7,11-dimethyl-2-oxapentacyclo[8.8.0.01,3.03,7.011,16]octadecan-6-yl]-2H-furan-5-one
InChI	InChI=1S/C30H44O17/c1-17-26(32)22(33-4)15-25(35-17)36-20-6-9-27(2)19(14-20)5-11-29-23(27)8-10-28(3)21(7-12-30(28,29)37-29)18-13-24(31)34-16-18/h13,17,19-23,25-26,32H,5-12,14-16H2,1-4H3/t17-,19-,20+,21-,22-,23-,25+,26+,27+,28-,29+,30-/m1/s1
InChI Key	BYZQVAOKDQTHHP-QFUJVLJYSA-N
Canonical SMILES	CC1C(C(CC(O1)OC2CCC3(C(C2)CCC45C3CC6(C4(O5)CCC6C7=CC(=O)OC7)C)C)OC)O
Isomeric SMILES	C[C@@H]1[C@@H]([C@@H](C[C@@H](O1)O[C@H]2CC[C@]3([C@@H](C2)CC[C@]45[C@@H]3CC[C@]6([C@]4(O5)CC[C@H]6C7=CC(=O)OC7)C)C)OC)O
Source	<i>Sweet scented Oleander</i> leaves
Form	White crystal or powder
Purity	>95%, determined by HPLC.
Solubility	It is soluble in chloroform and methanol.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Adynerin can be used for cardiotoxic effect experiments, etc.



Storage

Store at 4°C. Protect from light.

Safety Information

Personal Protective

Gloves, eyeshields, N95 mask

Equipment
