



Product Information

Caudatin

Cat. No.: X22-05-ZQ163

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

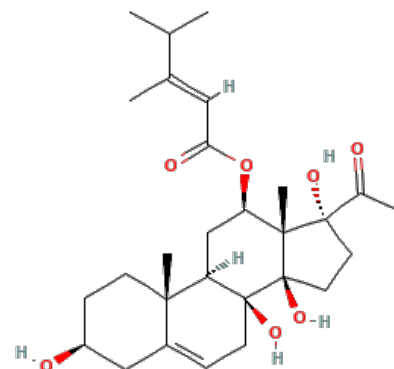
CAS Number: 38395-02-7

Compound CID: 72948694

Synonym: 38395-02-7; Caudatin;

[(3*S*,8*S*,9*R*,10*R*,12*R*,13*S*,14*R*,17*R*

)-17-Acetyl-3,8,14,17-tetrahydroxy-10,13-dimethyl-1,2,3,4,7,9,11,12,15,16-decahydro
cyclopenta[*a*]phenanthren-12-yl] (*E*)-3,4-dimethylpent-2-enoate



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

Product Information

Description	Caudatin is a steroidal compound found in <i>Cynanchum auriculatum</i> , which causes cell cycle arrest and induces apoptosis, with anti-cancer and anti-angiogenic properties. This product can be used for research in the fields of medicine and pharmacy.
Molecular Weight	490.633
Molecular Formula	C ₂₈ H ₄₂ O ₇
IUPAC Name	[(3 <i>S</i> ,8 <i>S</i> ,9 <i>R</i> ,10 <i>R</i> ,12 <i>R</i> ,13 <i>S</i> ,14 <i>R</i> ,17 <i>R</i>)-17-Acetyl-3,8,14,17-tetrahydroxy-10,13-dimethyl-1,2,3,4,7,9,11,12,15,16-decahydrocyclopenta[<i>a</i>]phenanthren-12-yl] (<i>E</i>)-3,4-dimethylpent-2-enoate
InChI	InChI=1S/C28H42O7/c1-16(2)17(3)13-23(31)35-22-15-21-24(5)9-8-20(30)14-19(24)7-10-27(21,33)28(34)12-11-26(32,18(4)29)25(22,28)6/h7,13,16,20-22,30,32-34H,8-12,14-15H2,1-6H3/b17-13+/t20-,21+,22+,24-,25+,26-,27-,28+/m0/s1
InChI Key	VWLXIXALPNYWFH-UBHIOMQOSA-N
Canonical SMILES	CC(C)C(=CC(=O)OC1CC2C3(CCC(CC3=CCC2(C4(C1(C(CC4)(C(=O)C)O)C)O)O)C)C
Isomeric SMILES	CC(C)C(=C/C(=O)O[C@@H]1C[C@@H]2[C@]3(CC[C@@H](CC3=CC[C@]2([C@@]4([C@]1([C@](CC4)(C(=O)C)O)C)O)O)C)/C
Source	<i>Cynanchum auriculatum</i>
Form	White powder
Purity	≥98%, determined by HPLC.
Solubility	It is soluble in organic solvents such as ethyl acetate, acetone, and dimethylsulfoxide.
Identity	Confirmed by MS and NMR.



Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Caudatin can be used for research in the fields of medicine and pharmacy.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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