

Product Information

Euphorbiasteroid

Cat. No.: X23-04-XQ403

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

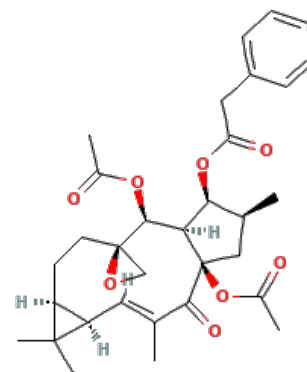
MDL: MFCD06410946

CAS Number: 28649-59-4

Compound CID: 15940183

Synonym: 28649-59-4; Euphorbiasteroid; Euphobiasteroid; Euphorbia factor L1; Euhorbiasteroid

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



Product Information

Description	Euphorbiasteroid is a tricyclic diterpene, that inhibits tyrosinase, and increases the phosphorylation of AMPK, with anti-cancer, anti-virus, anti-obesity, and multidrug resistance-modulating effect.
Molecular Weight	552.664
Molecular Formula	C ₃₂ H ₄₀ O ₈
IUPAC Name	[(1'R,2R,3'E,5'R,7'S,11'S,12'R,13'S,14'S)-1',11'-Diacetyloxy-3',6',6',14'-tetramethyl-2'-oxospiro[oxirane-2,10'-tricyclo[10.3.0.0.5,7]pentadec-3-ene]-13'-yl] 2-phenylacetate
InChI	InChI=1S/C32H40O8/c1-18-14-24-23(30(24,5)6)12-13-31(17-37-31)29(38-20(3)33)26-27(39-25(35)15-22-10-8-7-9-11-22)19(2)16-32(26,28(18)36)40-21(4)34/h7-11,14,19,23-24,26-27,29H,12-13,15-17H2,1-6H3/b18-14+/t19-,23-,24+,26+,27-,29-,31+,32+/m0/s1
InChI Key	SDGDWRYHQQOJ-XXMLZKCSSA-N
Canonical SMILES	CC1CC2(C(C1OC(=O)CC3=CC=CC=C3)C(C4(CCC5C(C5(C)C)C=C(C2=O)C)CO4)OC(=O)C)OC(=O)C
Isomeric SMILES	C[C@H]1C[C@]2([C@H]([C@H]1OC(=O)CC3=CC=CC=C3)[C@@H]([C@@]4(CC[C@H]5[C@H](C5(C)C)/C=C/C2=O)\C)CO4)OC(=O)C)OC(=O)C
Form	White crystal or powder
Purity	>98%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Euphorbiasteroid can be used for anti-cancer, anti-virus, anti-obesity, and multidrug resistance-modulating effect experiments, etc.



Storage

Store at 4°C. Protect from light.

Safety Information

Personal Protective

Gloves, eyeshields, N95 mask

Equipment
