

Product Information

Eucannabinolide

Cat. No.: X22-05-ZQ554

Size: 5 mg; 10 mg; 20 mg

CAS Number: 38458-58-1

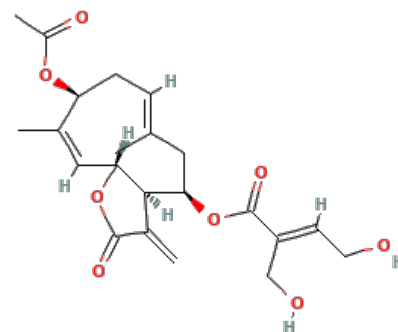
Compound CID: 5281471

Synonym: 38458-58-1; Hiyodorilactone A; Eucannabinolide; Schkuhrin I;

[(3aR,4R,6E,9S,10Z,11aR

)-9-Acetyloxy-6,10-dimethyl-3-methylidene-2-oxo-3a,4,5,8,9,11a-

hexahydrocyclodeca[b]furan-4-yl] (E)-4-Hydroxy-2-(hydroxymethyl)but-2-enoate



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

Product Information

Description	Eucannabinolide exhibits strong anti-leishmanial activity, inhibiting the growth of <i>Leishmania infantum</i> at concentrations of 0.5 µg/mL to 1 µg/mL. <i>in vivo</i> studies have shown that eucannabinolide inhibits the proliferation of human skin cancer cells, but does not show any cytotoxic effects on normal human skin cells. This product can be used in biological activity screening experiments.
Molecular Weight	420.45
Molecular Formula	C ₂₂ H ₂₈ O ₈
IUPAC Name	[(3aR,4R,6E,9S,10Z,11aR)-9-Acetyloxy-6,10-dimethyl-3-methylidene-2-oxo-3a,4,5,8,9,11a-hexahydrocyclodeca[b]furan-4-yl] (E)-4-Hydroxy-2-(hydroxymethyl)but-2-enoate
InChI	InChI=1S/C22H28O8/c1-12-5-6-17(28-15(4)25)13(2)10-19-20(14(3)21(26)29-19)18(9-12)30-22(27)16(11-24)7-8-23/h5,7,10,17-20,23-24H,3,6,8-9,11H2,1-2,4H3/b12-5+,13-10-,16-7+/t17-,18+,19+,20+/m0/s1
InChI Key	XYPJAWWDSQFSQA-RTZOPMFNSA-N
Canonical SMILES	CC1=CCC(C(=CC2C(C(C1)OC(=O)C(=CCO)CO)C(=C)C(=O)O2)C)OC(=O)C
Isomeric SMILES	C/C1=C\C[C@@H]/(C=C[C@@H]2[C@@H]([C@@H](C1)OC(=O)/C(=C/CO)/CO)C(=C)C(=O)O2)/C)OC(=O)C
Form	Powder
Purity	≥95%, determined by HPLC.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.



Applications Eucannabinolide can be used in biological activity screening experiments.

Storage Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
