

Product Name : Hippuristanol

Synonyms : Hippuristanol

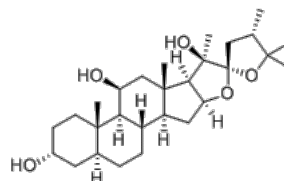
Cat No. : M16010

CAS Number : 80442-78-0

Molecular Formula : C₂₈H₄₆O₅

Formula Weight : 462.66

Chemical Name : (3R,5S,11S,20R,22S,24S)-24-Methyl-22,25-epoxyfurostan-3,11,20-triol



Description : Hippuristanol is a potent, steroid inhibitor of eukaryotic initiation factor 4A (eIF4A), results in cell cycle arrest at G1 phase, and induces caspases activation and apoptosis; also reduces the expression of cyclin D2, CDK2, CDK4, CDK6 and prosurvival XIAP and Mcl-1 proteins; significantly inhibits the growth and invasion of PEL cells in mice.

Pathway : Nuclear Receptor/Transcription Factor

Target : eIF

Receptor : eIF

Solubility : —

SMILES : [H][C@]1(O[C@@](C[C@H](C)C2(C)C)(O2)[C@@]3(O)C[C@@]4([H])[C@]5([H])CC[C@@]6([H])C[C@H](O)CC[C@]6(C)[C@@]5([H])[C@@H](O)C[C@]4(C)[C@]13[H]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Cencic R, et al. Translation (Austin). 2016 Jan 4;4(1):e1137381. | 2. Somaiah R, et al. J Med Chem. 2014 Mar 27;57(6):2511-23. | 3. Ishikawa C, et al. Mar Drugs. 2013 Sep 6;11(9):3410-24.