

Product Name : Toddaculin

Synonyms : —

Cat No. : M24396

CAS Number : 4335-12-0

Molecular Formula : C₁₆H₁₈O₄

Formula Weight : 274.3

Chemical Name : —

Description : Toddaculine may be beneficial for the prevention and treatment of osteoporosis, it can not only inhibit the differentiation of osteoclasts via activation of the NF-κB, ERK 1/2, and p38 MAPK signaling pathways, but can induce differentiation and mineralization of osteoblasts by regulating differentiation factors. Toddaculine also may serve as a pharmacological prototype for the development of novel anti-leukemic agents, it displays a dual effect as a cell differentiating agent and apoptosis inducer in U-937 cells.

Pathway : Others

Target : Other Targets

Receptor : Others

Solubility : —

SMILES : CC(C)=CCc(c(OC)cc(O1)C2C=CC1=O)C2OC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Vázquez, Riveiro, M. E, et al. Toddaculin, a natural coumarin from Toddalia asiatica, induces differentiation and apoptosis in U-937 leukemic cells.