
Rottlerin

产品编号: D51357

CAS: 82-08-6

分子式: C₃₀H₂₈O₈

纯度: ≥98%

InChi: InChI=1S/C30H28O8/c1-15-24(33)19(27(36)22(16(2)31)25(15)34)14-20-26(35)18-12-13-30(3,4)38-29(18)23(28(20)37)21(32)11-10-17-8-6-5-7-9-17/h5-13,33-37H,14H2,1-4H3/b11-10+

InChi Key: DEZFNHCVIZBHBI-ZHACJKMWSA-N

Smiles: CC(=O)C1C(O)=C(CC2C(O)=C(C3OC(C)(C)C=CC=3C=2O)C(=O)/C=C/C2C=CC=CC=2)C(O)=C(C)C=1O

外观: 固体粉末

作用通路: Apoptosis

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: Rottlerin is an angiogenesis inhibitor and an inhibitor of protein kinase Cdelta (PKCdelta) and calmodulin kinase III. Rottlerin as a novel chemotherapy agent for adrenocortical carcinoma. Rottlerin induces cyclooxygenase-2 upregulation through an ATF4 and reactive oxygen species-independent pathway in HEI-OC1 cells. Rottlerin exerts its anti-tumor activity through inhibition of Skp2 in breast cancer cells. Rottlerin suppresses growth of human pancreatic tumors in nude mice, and pancreatic cancer cells isolated from Kras(G12D) mice.