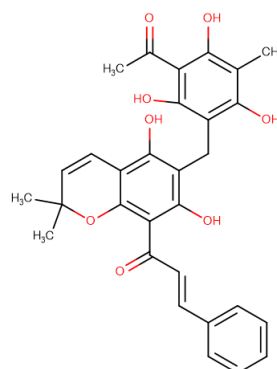


Product Name	: Rottlerin
Synonyms	: Mallotoxin; NSC 94525
Cat No.	: M16052
CAS Number	: 82-08-6
Molecular Formula	: C ₃₀ H ₂₈ O ₈
Formula Weight	: 516.54
Chemical Name	: (2E)-1-[6-[(3-acetyl-2,4,6-trihydroxy-5-methylphenyl)methyl]-5,7-dihydroxy-2,2-dimethyl-2H-1-benzopyran-8-yl]-3-phenyl-2-propen-1-one
Description	Rottlerin (Mallotoxin; NSC 94525) is a polyphenol natural product, cell-permeable and reversible PKC inhibitor that exhibits greater selectivity for PKC δ (IC ₅₀ =3-6 μ M) and PKC θ , with significantly reduced potency (IC ₅₀ =30-42 μ M) for PKC α , PKC β , and PKC γ ; also inhibits CaMK III, suppresses eEF-2 phosphorylation with IC ₅₀ of 5.3 μ M; also remarkably inhibits MACC1 promoter activity and expression, reduces cell motility in CRC cells.
Pathway	: Angiogenesis
Target	: PKC
Receptor	: PKC
Solubility	: DMSO : 2 mg/mL 3.87 mM; H ₂ O : < 0.1 mg/mL
SMILES	: <chem>CC1(C)C=CC2=C(O)C(CC3=C(C(C)=C(C(C(C)=O)=C3O)O)O)=C(O)C(C/C=C/C4=CC=CC=C4)=O)=C2O1</chem>
Storage	: (-20°C)
Stability	: $\geq$ 2 years
Reference	:



1. Villalba M, et al. J Immunol. 1999 Dec 1;163(11):5813-9. | 2. Gschwendt M, et al. FEBS Lett. 1994 Jan 24;338(1):85-8. | 3. Juneja M, et al. PLoS Biol. 2017 Jun 1;15(6):e2000784.