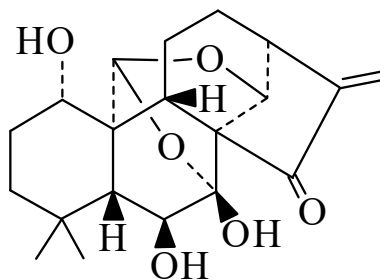




>>Entry Name: Ponicidin

Synonym(s): *ent*-7,20:14,20-Diepoxy-1 β ,6 α ,7-trihydroxy-16-kauren-15-one. Rubescensin B



CAS Registry Number: 52617-37-5

Molecular Formula: C₂₀H₂₆O₆

Molecular Weight: 362.422

Accurate Mass: 362.17294

Percentage Composition: C 66.28%; H 7.23%; O 26.49%

Biological Source: Bitter principle from *Isodon japonicus*, *Rabdosia rubescens* and *Rabdosia rosthornii*

Biological Use/Importance: Antineoplastic agent

Physical Description: Cryst. (MeOH)

Development Status: Has undergone clinical testing in China

Melting Point: Mp 238-241 dec.°

Optical Rotation: $[\alpha]_D^{17}$ -118 (c, 0.1 in Py)

Calculated Log P Data: Log P -1.42 (uncertain value) (calc)

>>Derivative: 16 β ,17-Dihydro

Synonym(s): *ent*-7,20:14,20-Diepoxy-1 β ,6 α ,7-trihydroxy-15-kauranone. Xerophilusin C

CAS Registry Number: 272459-38-8

Molecular Formula: C₂₀H₂₈O₆

Molecular Weight: 364.438

Accurate Mass: 364.18859

Percentage Composition: C 65.92%; H 7.74%; O 26.34%

Biological Source: Constit. of *Isodon xerophilus*

Physical Description: Cryst.

>>Derivative: 1-Deoxy

Synonym(s): *ent*-7,20:14,20-Diepoxy-6 α ,7-dihydroxy-16-kauren-15-one. Xerophilusin B

CAS Registry Number: 167894-15-7

Molecular Formula: C₂₀H₂₆O₅

Molecular Weight: 346.422

Accurate Mass: 346.178025

Percentage Composition: C 69.34%; H 7.56%; O 23.09%

Biological Source: Constit. of *Isodon xerophilus*

Physical Description: Needles (Me₂CO)

Melting Point: Mp 173-174°

Optical Rotation: $[\alpha]_D^{22}$ -150 (c, 0.46 in Py)

UV: [neutral] $\lambda_{\max}$ 231 (log ϵ 3.78) (MeOH)

>>Derivative: 1-Deoxy, 11 β -hydroxy

Synonym(s): *ent*-7,20:14,20-Diepoxy-6 α ,7,11 α -trihydroxy-16-kauren-15-one. Macrocalin B

CAS Registry Number: 93781-75-0

Molecular Formula: C₂₀H₂₆O₆

Molecular Weight: 362.422

Accurate Mass: 362.17294

Percentage Composition: C 66.28%; H 7.23%; O 26.49%

Biological Source: Isol. from leaves of *Rabdosia macrocalyx*

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O, hexane

UV: [neutral] $\lambda_{\max}$ 238 (ϵ 5933) (EtOH) (Berdy)