

Product Information

Germanicol

Cat. No.: X22-05-ZQ580

Size: 5 mg; 10 mg; 20 mg

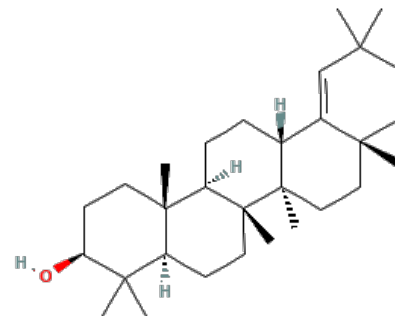
CAS Number: 465-02-1

Compound CID: 122857

Synonym: 465-02-1; Germanicol; (3beta)-Olean-18-en-3-ol;

(3*S*,4*aR*,6*aS*,6*aR*,6*bR*,8*aR*,14*aR*,14*bR*)-4,4,6*a*,6*b*,8*a*,11,11,14*b*-

Octamethyl-1,2,3,4*a*,5,6,6*a*,7,8,9,10,13,14,14*a*-tetradecahydricen-3-ol



This product is for research use only and is not intended for diagnostic use.

Product Information

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|--------------------------|---|
| Description | Germanicol has been shown to have anti-inflammatory properties, as well as antimicrobial activity against gram-positive bacteria and fungi. This product can be used in studies of anti-inflammatory properties. |
| Molecular Weight | 426.72 |
| Molecular Formula | C ₃₀ H ₅₀ O |
| IUPAC Name | (3 <i>S</i> ,4 <i>aR</i> ,6 <i>aS</i> ,6 <i>aR</i> ,6 <i>bR</i> ,8 <i>aR</i> ,14 <i>aR</i> ,14 <i>bR</i>)-4,4,6 <i>a</i> ,6 <i>b</i> ,8 <i>a</i> ,11,11,14 <i>b</i> -Octamethyl-1,2,3,4 <i>a</i> ,5,6,6 <i>a</i> ,7,8,9,10,13,14,14 <i>a</i> -tetradecahydricen-3-ol |
| InChI | InChI=1S/C30H50O/c1-25(2)15-16-27(5)17-18-29(7)20(21(27)19-25)9-10-23-28(6)13-12-24(31)26(3,4)22(28)11-14-30(23,29)8/h19-20,22-24,31H,9-18H2,1-8H3/t20-,22+,23-,24+,27-,28+,29-,30-/m1/s1 |
| InChI Key | QMUXVPRGNJLGRT-PNTWTTAKSA-N |
| Canonical SMILES | CC1(CCC2(CCC3(C(C2=C1)CCC4C3(CCC5C4(CCC(C5(C)C)O)C)C)C)C)C |
| Isomeric SMILES | C[C@@]12CC[C@@]3([C@@H](C1=CC(CC2)(C)C)CC[C@H]4[C@]3(CC[C@@H]5[C@@]4(CC[C@@H](C5(C)C)O)C)C)C |
| Form | Powder |
| Purity | ≥95%, determined by HPLC. |
| Identity | Confirmed by MS and NMR. |
| Stability | The product is stable for two years when stored at the recommended temperature. |
| Applications | Germanicol can be used in studies of anti-inflammatory properties. |
| Storage | Store at 4°C. Protect from light. |



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
