

Product Information

Lupeol

Cat. No.: X22-05-ZQ398

Size: 20 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD00017351

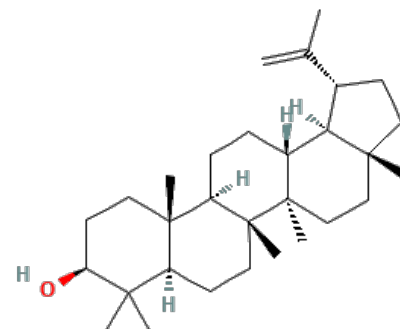
CAS Number: 545-47-1

Compound CID: 259846

Synonym: 545-47-1; Lupeol; Fagarasterol;

(1*R*,3*aR*,5*aR*,5*bR*,7*aR*,9*S*,11*aR*,11*bR*,13*aR*,13*bR*)-3*a*,5*a*,5*b*,8,8,11*a*-Hexamethyl-1-prop-1-en-2-yl-1,2,3,4,5,6,7,7*a*,9,10,11,11*b*,12,13,13*a*,13*b*-

hexadecahydrocyclopenta[*a*]chrysen-9-ol



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

Product Information

Description	Lupeol is a significant lupane-type triterpene represented in the plant, fungi, and animal kingdoms with anticancer, antiprotozoal, chemopreventive, and anti-inflammatory properties. This product can be used for research in the fields of medicine and pharmacy.
Molecular Weight	426.72
Molecular Formula	C ₃₀ H ₅₀ O
IUPAC Name	(1 <i>R</i> ,3 <i>aR</i> ,5 <i>aR</i> ,5 <i>bR</i> ,7 <i>aR</i> ,9 <i>S</i> ,11 <i>aR</i> ,11 <i>bR</i> ,13 <i>aR</i> ,13 <i>bR</i>)-3 <i>a</i> ,5 <i>a</i> ,5 <i>b</i> ,8,8,11 <i>a</i> -Hexamethyl-1-prop-1-en-2-yl-1,2,3,4,5,6,7,7 <i>a</i> ,9,10,11,11 <i>b</i> ,12,13,13 <i>a</i> ,13 <i>b</i> -hexadecahydrocyclopenta[<i>a</i>]chrysen-9-ol
InChI	InChI=1S/C30H50O/c1-19(2)20-11-14-27(5)17-18-29(7)21(25(20)27)9-10-23-28(6)15-13-24(31)26(3,4)22(28)12-16-30(23,29)8/h20-25,31H,1,9-18H2,2-8H3/t20-,21+,22-,23+,24-,25+,27+,28-,29+,30+/m0/s1
InChI Key	MQYXUWHLBZFQQO-QGTGJCAVSA-N
Canonical SMILES	CC(=C)C1CCC2(C1C3CCC4C5(CCC(C(C5CCC4(C3(CC2)C)C)(C)C)O)C)C
Isomeric SMILES	CC(=C)[C@@H]1CC[C@]2([C@H]1[C@H]3CC[C@@H]4[C@]5(CC[C@@H](C([C@@H]5CC[C@]4([C@@]3(CC2)C)C)(C)C)O)C)C
Source	<i>Lupinus polyphyllus</i>
Part Used	Shells of seeds
Form	White solid
Purity	≥98%, determined by HPLC.



Solubility	It is insoluble in water, but miscible with ether, benzene, petroleum ether and hot ethanol.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	202-203°C
Applications	Lupeol can be used for research in the fields of medicine and pharmacy.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
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