

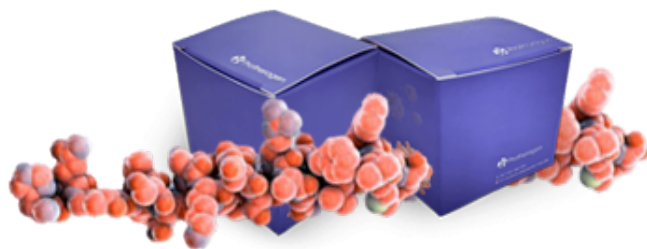
Curcumenol

Cat. No.:	OB0225WX-2569
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and HPLC.
Size:	5 mg; 25 mg; 50 mg; 100 mg

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

Product Overview

Description	Curcumenol is a sesquiterpene isolated from <i>Curcuma zedoaria</i> that blocks NF-kappaB activation by inhibiting I-kappa-B-alpha phosphorylation and suppressing the nuclear translocation of the p65 subunit.
Synonym	19431-84-6; (+)-Curcumenol; BRN 3094585; 6H-3a,6-Epoxyazulen-6-ol, 1,2,3,4,5,8a-hexahydro-3,8-dimethyl-5-(1-methylethylidene)-, (3S-(3-alpha,3a-alpha,6-alpha,8a-beta))-; 5-beta-Guaia-7(11),9-dien-8-alpha-ol, 5,8-epoxy-; 6H-3a,6-Epoxyazulen-6-ol, 1,2,3,4,5,8a-hexahydro-3,8-dimethyl-5-(1-methylethylidene)-, (3S,3a,5,6R,8aS)-; (1S,2S,5S,8R)-2,6-Dimethyl-9-propan-2-ylidene-11-oxatricyclo[6.2.1.0 ^{1,5}]undec-6-en-8-ol; 3,8-Dimethyl-5-(1-methylethylidene)-, (3S,3a,5,6R,8aS)-; (1S</i>,2S,5S,8R)-2,6-dimethyl-9-propan-2-ylidene-11-oxatricyclo[6.2.1.0 ^{1,5}]undec-6-en-8-ol; 9-isopropylidene-2,6-dimethyl-11-oxatricyclo[6.2.1.0 ^{1,5}]undec-6-en-8-ol; 9-isopropylidene-2,6-dimethyl-11-oxatricyclo[6.2.1.0 ^{1,5}]undec-6-en-8-ol; 5,8-Epoxy-9-dien-8-alpha-ol-5-beta-guaia-7(11); 2,6-dimethyl-9-(propan-2-ylidene)-11-oxatricyclo[6.2.1.0 ^{1,5}]undec-6-en-8-ol; 2,6-dimethyl-9-(propan-2-ylidene)-11-oxatricyclo[6.2.1.0 ^{1,5}]undec-6-en-8-ol; Curcumenol 6H-3a,6-Epoxyazulen-6-ol, 1,2,3,4,5,8a-hexahydro-3,8-dimethyl-5-(1-methylethylidene)-, (3S-(3-alpha,3a-alpha,6-alpha,8a-beta))-
CAS No.	19431-84-6
Compound CID	167812
Formula	C ₁₅ H ₂₂ O ₂



Formula Weight 234.33

Specification

IUPAC Name	(1S,2S,5S,8R)-2,6-Dimethyl-9-propan-2-ylidene-11-oxa tricyclo[6.2.1.0 ^{1,5}]undec-6-en-8-ol
InChI	InChI=1S/C15H22O2/c1-9(2)13-8-14-11(4)5-6-12(14)10(3)7-15(13,16)17-14/h7,11-12,16H,5-6,8H2,1-4H3/t11-,12-,14-,15+/m0/s1
InChI Key	ISFMXVMWEWLJGJ-NZBPQXDJSA-N
SMILES string	<chem>C[C@H]1CC[C@@H]2[C@]13CC(=C(C)C)[C@](O3)(C=C2C)O</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Curcumenol is utilized in phytochemical research as a sesquiterpene from <i>Curcuma zedoaria</i> to examine its anti-proliferative activities and its potential in inducing apoptosis in tumor cell lines.

Library Information

Target	NF-κB; P450
Receptor	NF-κB; P450
Pathways	NF-κB
Plate Number	L6700-05
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	46 mg/mL; 196.3 mM
ALogP	3.268
HBA_Count	1
HBD_Count	0
Rotatable Bond	0