



Curzerene

Cat. No.:	OB0626WX-244
Appearance:	Liquid
Purity:	≥95%
Identity:	Confirmed by NMR, GCMS, and HPLC.
Size:	5 mg; 10 mg; 50 mg; 100 mg

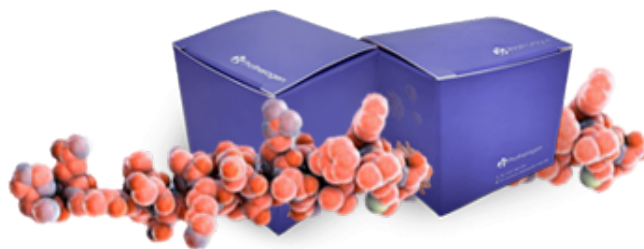
This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Curzerene is a bioactive sesquiterpene found within <i>Curcuma longa</i> that demonstrates versatile antioxidant, antimicrobial, and antineoplastic properties.
Formulation	Acetonitrile solution
Synonyms	(5 <i>R</i> ,6 <i>R</i>)-rel-6-ethenyl-4,5,6,7-tetrahydro-3,6-dimethyl-5-(1-methylethenyl)-benzofuran; Isofuranogermacrene; Isogermacrene; Neocurzerene; 6-ethenyl-3,6-dimethyl-5-prop-1-en-2-yl-5,7-dihydro-4 <i>H</i> -1-benzofuran; 17910-09-7
CAS No.	17910-09-7
Compound CID	165365640
Formula	C ₁₅ H ₂₀ O
Formula Weight	216.3

Specification

Source	Synthetic
λ_{max}	220 nm
Solubility in DMSO	1-10 mg/mL
Solubility in Ethanol	≥10 mg/mL
IUPAC Name	(5 <i>R</i> ,6 <i>R</i>)-6-ethyl-3,6-dimethyl-5-prop-1-en-2-yl-5,7-dihydro-4 <i>H</i> -1-benzofuran
InChI	InChI=1S/C15H20O/c1-6-15(5)8-14-12(11(4)9-16-14)7-13(15)10(2)3/h6,9,13H,1-2,7-8H,2,3-5H3/t13-,15+/m1/s1
InChI Key	HICAMHOOTMOHPA-HIFRSBDPSA-N

**Canonical SMILES**CC1=COC2=C1C[C@H](C(C)=C)[C@](C=C)(C)C2**Stability**

1 year

Storage

Storage at -20°C.

Applications

Curzerene serves as a sesquiterpene reference compound for natural product identification, analytical separation optimization, and investigation of volatile lipophilic compound characteristics.