

Product Information

8-Gingerol

Cat. No.: X23-04-XQ344

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

MDL: MFCD00877794

CAS Number: 23513-08-8

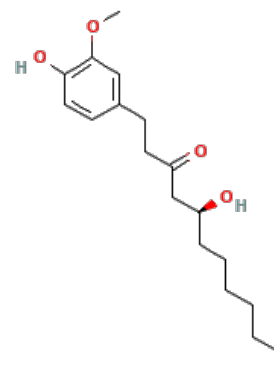
Compound CID: 168114

Synonym: 23513-08-8; 8-Gingerol; (8)-Gingerol; [8]-Gingerol;

(5S)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)dodecan-3-one;

(S)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)-3-dodecanone;

(S)-(+)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)-3-dodecanone



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

Product Information

Description	8-Gingerol is a bioactive ingredient of <i>ginger</i> root that exhibits antiemetic, anti-diabetic, anticancer, immunosuppressive, antioxidative, anti-inflammatory, cardio modulatory, and anti-asthma activities.
Molecular Weight	322.43
Molecular Formula	C ₁₉ H ₃₀ O ₄
IUPAC Name	(5S)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)dodecan-3-one
InChI	InChI=1S/C19H30O4/c1-3-4-5-6-7-8-16(20)14-17(21)11-9-15-10-12-18(22)19(13-15)23-2/h10,12-13,16,20,22H,3-9,11,14H2,1-2H3/t16-m/s1
InChI Key	BCIWKKMTBRYQJU-INIZCTEOSA-N
Canonical SMILES	CCCCCCCC(CC(=O)CCC1=CC(=C(C=C1)O)OC)O
Isomeric SMILES	CCCCCCCC[C@@H](CC(=O)CCC1=CC(=C(C=C1)O)OC)O
Source	Rhizome of <i>Zingiber officinale</i> Rose
Purity	>98%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	8-Gingerol can be used for anti-nausea, cardiotonic, blood pressure-lowering, blood-lipid-lowering, anti-platelet aggregation, anti-atherosclerosis, anti-tumor, anti-oxidation, anti-inflammatory, antipyretic, and analgesic experiments, etc.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
