

Product Information

6-Gingerol

Cat. No.: X23-04-XQ345

Size: 200 mg; 500 mg; 1 g

MDL: MFCD00210507

CAS Number: 23513-14-6

Compound CID: 442793

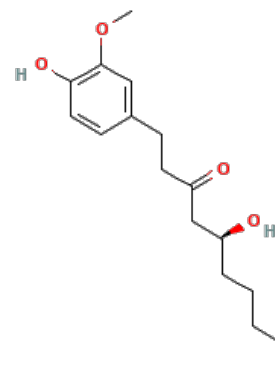
Synonym: 23513-14-6; 6-Gingerol; Gingerol; [6]-Gingerol; (6)-Gingerol;

(S)-(+)-[6]Gingerol; (5S)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)decan-3-one;

(S)-(6)-Gingerol; (S)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)decan-3-one;

(+)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)-3-decanone;

(5S)-5-Hydroxy-1-(4-hydroxy-3-methoxy-phenyl)decan-3-one



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

Product Information

Description	6-Gingerol is the major pharmacologically-active component of <i>ginger</i> . that exhibits a variety of biological activities including anticancer, anti-inflammation, and anti-oxidation.
Molecular Weight	294.39
Molecular Formula	C ₁₇ H ₂₆ O ₄
IUPAC Name	(5S)-5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)decan-3-one
InChI	InChI=1S/C17H26O4/c1-3-4-5-6-14(18)12-15(19)9-7-13-8-10-16(20)17(11-13)21-2/h8,10-11,14,18,20H,3-7,9,12H2,1-2H3/t14-/m0/s1
InChI Key	NLDDIKRKFXEWBK-AWEZLNQCLSA-N
Canonical SMILES	CCCCC(CC(=O)CCC1=CC(=C(C=C1)O)OC)O
Isomeric SMILES	CCCCC[C@H](CC(=O)CCC1=CC(=C(C=C1)O)OC)O
Source	<i>Zingiber officinale</i> Roscoe
Form	Pale yellow crystal
Purity	>98%, determined by HPLC.
Solubility	It is soluble in methanol, ethanol, DMSO, slightly soluble in water.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.



Applications 6-Gingerol can be used for anticancer, anti-inflammation, and anti-oxidation activity experiments, *etc.*

Storage Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
