

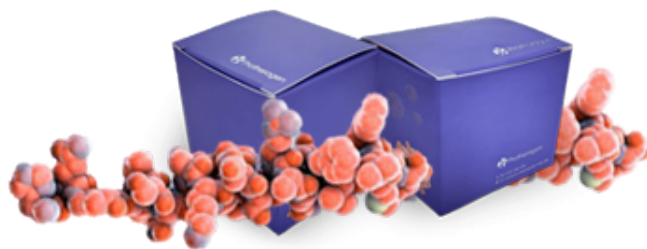
Bisdemethoxycurcumin

Cat. No.:	OB0225WX-1694
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 500 mg

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

Product Overview

Description	Bisdemethoxycurcumin is a stable demethoxy derivative of curcumin that downregulates the p300 coactivator to suppress Wnt/β-catenin signaling and modulates macrophage phagocytosis <i>via</i> interaction with 1α, 25-dihydroxy vitamin D3.
Synonym	Curcumin III; Didemethoxycurcumin; 24939-16-0; (1 <i>E</i> ,6 <i>E</i>)-1,7-bis(4-hydroxyphenyl)hepta-1,6-diene-3,5-dione; Bis(4-hydroxycinnamoyl)methane; Bis-demethoxycurcumin; Bisdemethoxycucurmin; Bisdemethoxycurcumin; (<i>E,E</i>)-Bisdemethoxycurcumin; Bis(<i>p</i> -hydroxycinnamoyl)methane; 1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxyphenyl)-; 1,7-Bis(4-hydroxyphenyl)-1,6-heptadiene-3,5-dione; 1,7-bis(4-hydroxyphenyl)hepta-1,6-diene-3,5-dione; 1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxyphenyl)-, (1 <i>E</i> ,6 <i>E</i>)-; BHCMT; <i>p,p'</i> -Dihydroxydicinnamoylmethane; Curcumin III; Didemethoxycurcumin; Curcumin LII; Curcuminoid A; Bisdemethoxy Curcumin; MFCD03419284; di- <i>p</i> -coumaroylmethane; Dide Methoxycurcumin; BDMC; (<i>E,E</i>)-Curcumin III; INS NO.100(III); (1 <i>E</i> ,6 <i>E</i>)-1,7-Bis(4-hydroxyphenyl)-hepta-1,6-diene-3,5-dione; 1,7-bis(4-hydroxyphenyl)-1,6-Heptadiene-3,5-dione(<i>E,E</i>); 1,7-bis(4-hydroxyphenyl)-3-hydroxy-1,3,6-heptatrien-5-one; (1 <i>E</i> ,6 <i>E</i>)-1,7-Bis-(4-hydroxyphenyl)-hepta-1,6-diene-3,5-dione; 1,6-Heptadiene-3,5-dione, 1,7-bis(4-hydroxyphenyl)-, (<i>E,E</i>)-; 5-Hydroxy-1,7-bis-(4-hydroxyphenyl)-hepta-1,4,6-trien-3-one; (1 <i>E</i> ,4 <i>Z</i> ,6 <i>E</i>)-5-Hydroxy-1,7-bis-(4-hydroxyphenyl)-hepta-1,4,6-trien-3-one
CAS No.	24939-16-0
Compound CID	5315472



Formula	C ₁₉ H ₁₆ O ₄
Formula Weight	308.33

Specification

Relative Density	1.285 g/cm ³
IUPAC Name	(1E-,6E)-1,7-Bis(4-hydroxyphenyl)hepta-1,6-diene-3,5-dione
InChI	InChI=1S/C19H16O4/c20-16-7-1-14(2-8-16)5-11-18(22)13-19(23)12-6-15-3-9-17(21)10-4-15/h1-12,20-21H,13H2/b11-5+,12-6+
InChI Key	PREBVFJICNPEKM-YDWXAUTNSA-N
SMILES string	C1=CC(=CC=C1/C=C/C(=O)CC(=O)/C=C/C2=CC=C(C=C2)O)O
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Bisdemethoxycurcumin is used in pharmacological research as a natural derivative to explore its capacity to modulate Wnt signaling and its impact on inflammatory and neoplastic pathways.

Library Information

Target	Epigenetic reader domain; Wnt/β-Catenin
Receptor	p300; Wnt/β-Catenin
Pathways	Stem cells; Chromatin/Epigenetic; Cytoskeletal signaling
Plate Number	AOCL-22
Plate Location	f9
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	10 mg/mL
Ethanol Max Solubility	5 mg/mL