



Product Information

HMT inhibitor Garcinol, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ569

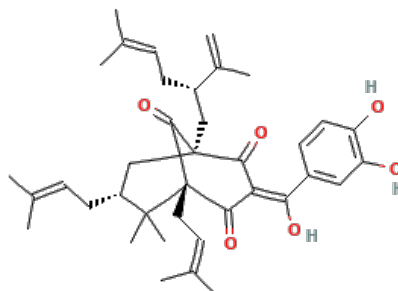
Size: 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 78824-30-3

Compound CID: 5281560

Synonym: 78824-30-3; Camboginol; Histone methyltransferase inhibitor

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



Product Information

Description	Garcinol inhibits enzymes that add acetyl groups to histones, affecting chromatin structure and regulating gene transcription. It targets AChE, BChE, GCN5/PCAF, and human endogenous metabolite.
Molecular Weight	602.8
Molecular Formula	C ₃₈ H ₅₀ O ₆
Targets	AChE; BChE; GCN5/PCAF; Human Endogenous Metabolite
IUPAC Name	(1S,3Z,5R,7R)-3-[(3,4-dihydroxyphenyl)-hydroxymethylidene]-6,6-dimethyl-5,7-bis(3-methylbut-2-enyl)-1-[(2S)-5-methyl-2-prop-1-en-2-ylhex-4-enyl]bicyclo[3.3.1]nonane-2,4,9-trione
InChI	InChI=1S/C38H50O6/c1-22(2)11-13-27(25(7)8)20-37-21-28(15-12-23(3)4)36(9,10)38(35(37)44,18-17-24(5)6)34(43)31(33(37)42)32(41)26-14-16-29(39)30(40)19-26/h11-12,14,16-17,19,27-28,39-41H,7,13,15,18,20-21H2,1-6,8-10H3/b32-31-/t27-,28+,37+,38-/m0/s1
InChI Key	DTTONLKLWRTCAB-BZSUNBQASA-N
Canonical SMILES	CC(=CCC1CC2(C(=O)C(=C(C3=CC(=C(C(=C3)O)O)O)C(=O)C(C2=O)(C1(C)C)CC=C(C)C)CC(CC=C(C)C)C(=C)C)C
Isomeric SMILES	CC(=CC[C@@H]1C[C@@]2(C(=O)C(=C(\C3=CC(=C(C(=C3)O)O)/O)C(=O)[C@@](C2=O)(C1(C)C)CC=C(C)C)C[C@H](CC=C(C)C)C(=C)C)C
Form	Lyophilized powder
Purity	$\geq 98\%$



Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Garcinol can be used as a histone acetyltransferase inhibitor in cancer and epigenetics research.
Storage	Store at -20°C.
