



Product Information

HMT inhibitor MG149, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ572

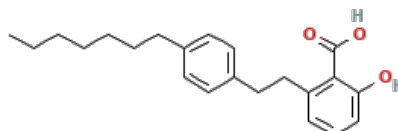
Size: 5 mg; 10 mg; 25 mg

CAS Number: 1243583-85-8

Compound CID: 49864204

Synonym: 1243583-85-8; MG 149; MG-149; Histone methyltransferase inhibitor

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



Product Information

Description	MG149, soluble in DMSO and ethanol and insoluble in water, inhibits enzymes that add acetyl groups to histones, affecting chromatin structure and regulating gene transcription. It targets MOF and Tip60.
Molecular Weight	340.46
Molecular Formula	C ₂₂ H ₂₈ O ₃
Targets	MOF: 47 μ M; Tip60: 74 μ M
IUPAC Name	2-[2-(4-Heptylphenyl)ethyl]-6-hydroxybenzoic acid
InChI	InChI=1S/C22H28O3/c1-2-3-4-5-6-8-17-11-13-18(14-12-17)15-16-19-9-7-10-20(23)21(19)22(24)25/h7,9-14,23H,2-6,8,15-16H2,1H3,(H,24,25)
InChI Key	WBHQYBZRTAEHRR-UHFFFAOYSA-N
Canonical SMILES	CCCCCCCC1=CC=C(C=C1)CCC2=C(C(=CC=C2)O)C(=O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 63 mg/mL (185.03 mM); Water: Insoluble; Ethanol: 63 mg/mL (185.03 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	MG149 can be used to inhibit histone acetyltransferases KAT5 and MOZ, useful in leukemia research.
Storage	Store at -20°C.



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