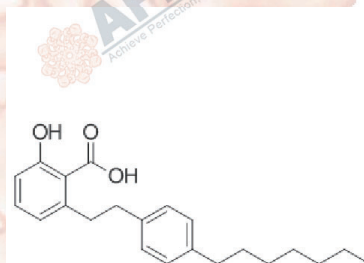


Product Data Sheet

MG 149

Cat. No.:	B3276
CAS No.:	1243583-85-8
Formula:	C ₂₂ H ₂₈ O ₃
M.Wt:	340.46
Synonyms:	
Target:	
Pathway:	
Storage:	Store at RT



Solvent & Solubility

≥114 mg/mL in DMSO; ≥23.95 mg/mL in EtOH; insoluble in H₂O

In Vitro	Preparing Stock Solutions	Mass			
		Solvent	1mg	5mg	10mg
		Concentration			
		1 mM	2.9372 mL	14.6860 mL	29.3720 mL
		5 mM	0.5874 mL	2.9372 mL	5.8744 mL
		10 mM	0.2937 mL	1.4686 mL	2.9372 mL

Please refer to the solubility information to select the appropriate solvent

Biological Activity

Shortsummary	HAT inhibitor	
IC ₅₀ & Target		
In Vitro	Cell Viability Assay	
	Cell Line:	HeLa cells
	Preparation method:	The solubility of this compound in DMSO is > 10 mM. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Applications:	MG 149 inhibited the activity of HAT in nuclear extracts from HeLa cells using	

		biotinylated histone H3 or histone H4 peptides as substrates.
In Vivo	Animal experiment	
	Applications:	
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

1. Zichong Li. "Functional characterization of transcription elongation machinery in HIV transcription and latency." University of California. 2019.
2. Li Z, Mbonye U, et al. "The KAT5-Acetyl-Histone4-Brd4 axis silences HIV-1 transcription and promotes viral latency." PLoS Pathog. 2018 Apr 23;14(4):e1007012.PMID:29684085

See more customer validations on www.apexbt.com.

References

- [1]. Ghizzoni M, Wu J, Gao T, Haisma HJ, Dekker FJ, George Zheng Y. 6-alkylsalicylates are selective Tip60 inhibitors and target the acetyl-CoA binding site. Eur J Med Chem. 2012 Jan;47(1):337-44.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com