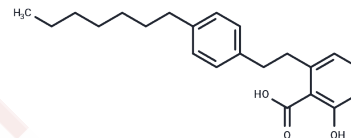


MG 149

## Chemical Properties

CAS No. :	1243583-85-8
Formula:	C <sub>22</sub> H <sub>28</sub> O <sub>3</sub>
Molecular Weight:	340.46
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MG 149 (Tip60 HAT inhibitor) is a selective and potent Tip60 inhibitor with IC <sub>50</sub> of 74 $\mu$ M, similar potency for MOF (IC <sub>50</sub> = 47 $\mu$ M).
Targets(IC <sub>50</sub> )	Apoptosis, Epigenetic Reader Domain, Histone Acetyltransferase

## Solubility Information

Solubility	Ethanol: 63 mg/mL (185.04 mM), Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 255 mg/mL (748.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.87 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9372 mL	14.686 mL	29.372 mL
5 mM	0.5874 mL	2.9372 mL	5.8744 mL
10 mM	0.2937 mL	1.4686 mL	2.9372 mL
50 mM	0.0587 mL	0.2937 mL	0.5874 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Ghizzoni M, et al. 6-alkylsalicylates are selective Tip60 inhibitors and target the acetyl-CoA binding site. Eur J Med Chem. 2012 Jan;47(1):337-44.

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