

# MG 149

**Catalog No: tcsc2483**



## Available Sizes

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**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

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**CAS No:**

1243583-85-8

**Formula:**

$C_{22}H_{28}O_3$

**Pathway:**

Epigenetics;Epigenetics

**Target:**

Epigenetic Reader Domain;Histone Acetyltransferase

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

Tip60 HAT inhibitor

**Observed Molecular Weight:**

340.46

## Product Description

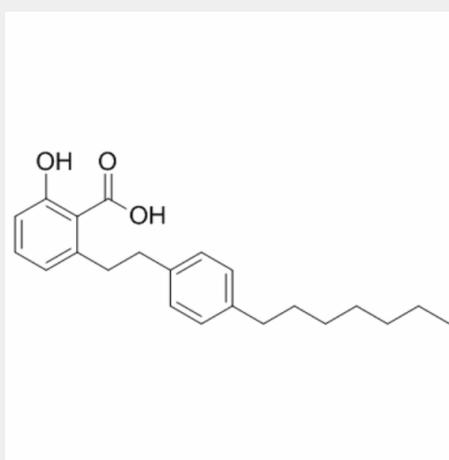
MG149 is a selective and potent Tip60 inhibitor with IC50 of 74  $\mu$ M, similar potency for MOF (IC50 = 47  $\mu$ M); little potent for PCAF and p300 (IC50 > 200  $\mu$ M).

IC50 value: 74/47  $\mu$ M (Tip60/MOF) [1]

Target: Tip60/MOF

MG 149, at 200  $\mu$ M, inhibited about 90% of Tip60 activity but had no inhibitory impact on p300 and PCAF. MG 149 was essentially competitive with Ac-CoA and noncompetitive with the histone substrate. HAT inhibition studies with MG 149 demonstrated that both compounds inhibited the HAT activity of the nuclear extracts

of different regions significantly (p



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