

UNC0646

Catalog No: tcsc2122



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

1320288-17-2

Formula:

$C_{36}H_{59}N_7O_2$

Pathway:

Epigenetics

Target:

Histone Methyltransferase

Purity / Grade:

>98%

Solubility:

H₂O :

Observed Molecular Weight:

621.9

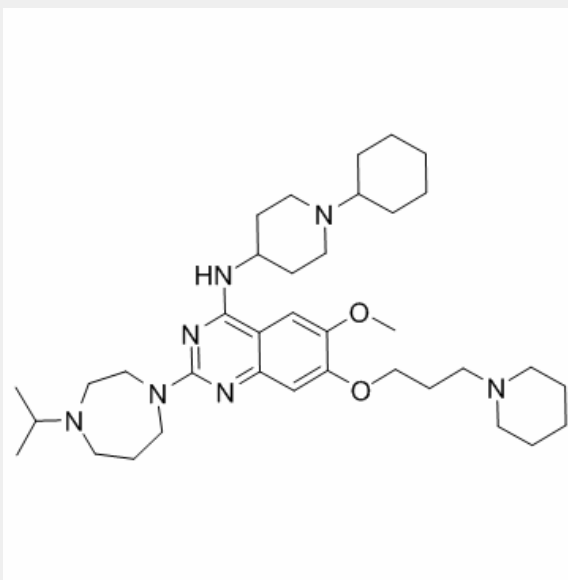
Product Description

UNC0646 is a potent and selective G9a inhibitor with IC₅₀ of 6 nM.

IC₅₀ value: 6 nM [1]

Target: G9a

UNC0646 is a potent and selective inhibitor of the homologous protein lysine methyltransferases, G9a and GLP (IC₅₀ values are 6 nM and 15 nM for G9a and GLP, respectively). UNC0646 potently blocks G9a/GLP methyltransferase activity in cells (IC₅₀ = 10 nM in MCF7 cells); exhibits low cellular toxicity (EC₅₀ = 4.7 μM in MCF7 cells). UNC0646 is selective for G9a/GLP over a range of other protein lysine methyltransferases and protein arginine methyltransferases.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!