

UNC0638

Cat. No. CEI-0486

Lot. No. (See product label)

Introduction

Description

Cell-permeable. UNC0638 is a potent G9a HMTase inhibitor, exhibiting an IC50 value of <15 nM in vitro. UNC0638 also inhibits GLP, a closely-related H3K9 HMTase, with an IC50 value of 19 nM, but is more than 10,000-fold selective against SET7/9 (a H3K4 HMTase), SET8 (a H4K20 HMTase), PRMT3, and SUV39H2. UNC0638 inhibits H3K9 dimethylation in MDA-MB231 cells with an IC50 value of 81 nM and demonstrates favorable separation of functional and toxic effect.

Product Information

Appearance White solid

CAS No. 1255580-76-7

Molecular Formula C₃₀H₄₇N₅O₂

Chemical Name 2-Cyclohexyl-6-methoxy-N-[1-(1-methylethyl)-4-piperidinyl]-7-[3-(1-pyrrolidinyl)propoxy]-4-quinazolinamine

Molecular Weight 307.39

Purity >98% by HPLC

Targets EHMT2

Solubility DMSO (1mg/ml)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions RT