

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	C ₃₀ H ₄₇ N ₅ O ₂
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