



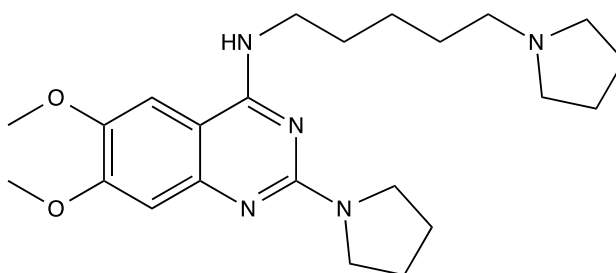
Catalog # 10-4870

UNC0379

CAS# 1620401-82-2

6,7-Dimethoxy-2-(pyrrolidin-1-yl)-N-(5-(pyrrolidin-1-yl)-pentyl)quinazolin-4-amine

Lot # FBA5124



UNC0379 is an inhibitor of the lysine methyltransferase SETD8 with selectivity over 15 other methyltransferases.¹ IC₅₀'s = 7.3 μ M in a radioactive methyl transfer assay and 9.0 μ M in an MCE assay. UNC0379 treatment of SY5Y and NGP neuroblastoma cell lines lead to activation of p53 and decreased tumor growth in an ex-vivo tumorigenicity assay.²

- 1) Ma *et al.* (2014), *Discovery of a Selective, Substrate-Competitive Inhibitor of the Lysine Methyltransferase SETD8*; J.Med.Chem. **57** 6822
- 2) Veschi *et al.* (2017), *Epigenetic siRNA and Chemical Screens Identify SETD8 Inhibition as a Therapeutic Strategy for p53 Activation in High-Risk Neuroblastoma*; Cancer Cell **31** 50

PHYSICAL DATA

Molecular Weight:	413.56
Molecular Formula:	C ₂₃ H ₃₅ N ₅ O ₂
Purity:	>99% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (>30 mg/mL)
Physical Description:	Tan solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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