

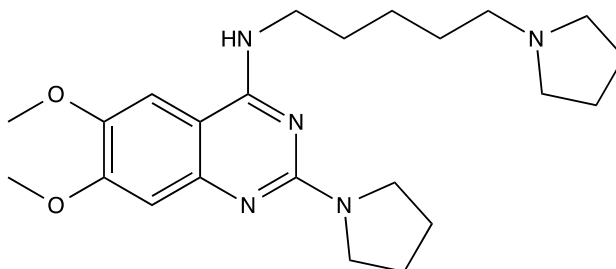
**Catalog # 10-4870**

**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.<sup>1</sup> IC<sub>50</sub>'s = 7.3 μM in a radioactive methyl transfer assay and 9.0 μM 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.<sup>2</sup>

- 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 <sub>23</sub> H <sub>35</sub> N <sub>5</sub> O <sub>2</sub>
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.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**