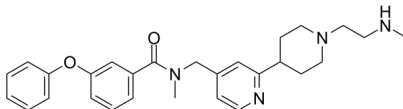


Certificate of Analysis

Catalog Number	BP14247
Product Name	TP-064

Physical and Chemical Properties

Synonyms	TP 064, TP064
CAS No.	2080306-20-1
Chemical Formula	C ₂₈ H ₃₄ N ₄ O ₂
Molecular Weight	458.606
Solubility	DMSO: 125mg/mL (272.57mM), ultrasonic and warming and heat to 60°C
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <chem>CN(C)CCN1CCCN(C1Cc2ccc(cc2)CN(C)C(=O)c3ccc(Oc4ccccc4)cc3)</chem>

Product Information

Description	TP-064 is a potent and selective PRMT4 inhibitor. TP-064 includes inhibition of PRMT4 with IC50 < 10nM for methylation of H3 (1-25) and greater than 100-fold selectivity over other histone methyltransferases and non-epigenetic targets. TP-064 inhibits the methylation of MED12 with IC50 = 43 nM in cell.
Targets&IC50	MED12:43 nM(IC50), BAF155:340 nM(IC50)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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