

Catalog	Unit
TBI5216-1MG	1 mg
TBI5216-5MG	5 mg

Product Details

Formal Name: 7-[3-(Dimethylamino)propoxy]-2-(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-6-methoxy-N-(1-methyl-4-piperidiny)-4-quinazolinamine

Molecular Formula: C₂₆H₄₃N₇O₂

Formula Weight: 485.7

CAS Number: 1197196-48-7

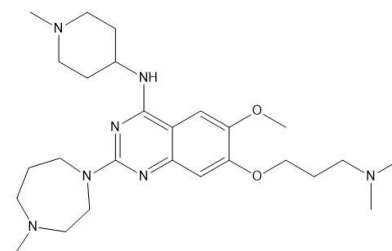
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (50 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

G9a histone methyl transferase inhibitor

Functions

Potent inhibitor of histone methyltransferases G9a / EHMT2 (IC₅₀ = 15 nM) and GLP / EHMT1 (IC₅₀ ~ 39 nM) but not SET7/9 and SET8. Has been employed, as part of a small molecule cocktail, to reprogram somatic cells to pluripotent stem cells.

Application Procedures

First dissolved in DMSO (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.