

Product Name: UNC 0224

Catalog No.: 3861

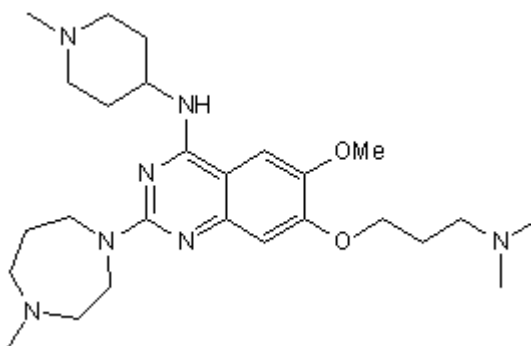
Batch No.: 2

CAS Number: 1197196-48-7

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

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₄₃N₇O₂·1½H₂O
Batch Molecular Weight: 508.19
Physical Appearance: White solid
Solubility: 1eq. HCl to 100 mM
DMSO to 100 mM
ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.2 (Dichloromethane:Methanol:Ammonia soln. [90:9:1])
HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.45	9.02	19.29
Found	61.59	8.85	19.17

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Potent G9a and GLP inhibitor (IC₅₀ values are 15 and 20 nM in a ThioGlo assay, respectively). Exhibits >1000-fold selectivity for G9a over SET7, SET8 and SET9.

Physical and Chemical Properties:

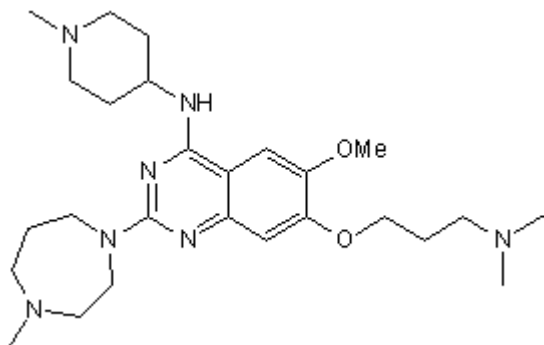
Batch Molecular Formula: C₂₆H₄₃N₇O₂·1¼H₂O

Batch Molecular Weight: 508.19

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

1eq. HCl to 100 mM

DMSO to 100 mM

ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Liu *et al* (2009) Discovery of a 2,4-diamino-7-aminoalkoxyquinazoline as a potent and selective inhibitor of histone lysine methyltransferase G9a. *J.Med.Chem.* **52** 7950. PMID: 19891491.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956