

Product Name: UNC 926 hydrochloride

Catalog No.: 4516

Batch No.: 1

CAS Number: 1184136-10-4

IUPAC Name: (3-Bromophenyl)[4-(1-pyrrolidinyl)-1-piperidinyl]methanone hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₂₁BrN₂O.HCl.½H₂O

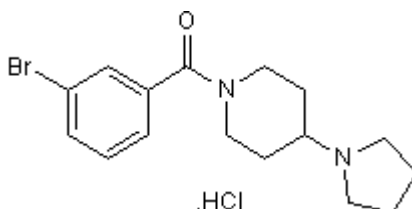
Batch Molecular Weight: 382.73

Physical Appearance: White solid

Solubility: water to 100 mM
DMSO to 100 mM
ethanol to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.5% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.21	6.05	7.32
Found	50.32	6.05	7.38

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

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Description:

Methyl-lysine (Kme) reader domain inhibitor; binds to the MBT domain of the L3MBTL1 protein ($K_d = 3.9 \mu\text{M}$). Selectively inhibits the L3MBTL1_{3XMBT}-H4K20me1 interaction in a peptide pull down assay.

Physical and Chemical Properties:

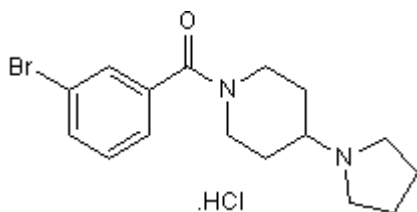
Batch Molecular Formula: C₁₆H₂₁BrN₂O.HCl.½H₂O

Batch Molecular Weight: 382.73

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water 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:

Herold et al (2012) Structure-activity relationships of methyl-lysine reader antagonists. *Med.Chem.Comm* **3** 45.

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