

Product Name: MI 14

Catalog No.: 5604

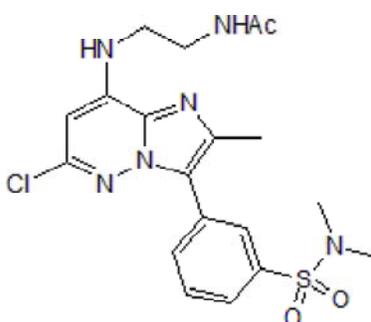
Batch No.: 1

CAS Number: 1715934-43-2

IUPAC Name: *N*-[2-[[6-Chloro-3-[3-[(dimethylamino)sulfonyl]phenyl]-2-methylimidazo[1,2-*b*]pyridazin-8-yl]amino]ethyl]acetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₃ClN₆O₃S
Batch Molecular Weight: 450.94
Physical Appearance: Off White solid
Solubility: DMSO to 20 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	50.61	5.14	18.64
Found	50.78	5.09	18.48

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

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Description:

Potent and selective PI 4-K III β inhibitor (IC₅₀ = 54 nM). Exhibits >1,800-fold selectivity for PI 4-K III β over PI 4-K III α and PI 4-K II α , respectively. Exhibits antiviral activity against single-stranded positive sense RNA viruses in HeLa cell-based assays.

Physical and Chemical Properties:

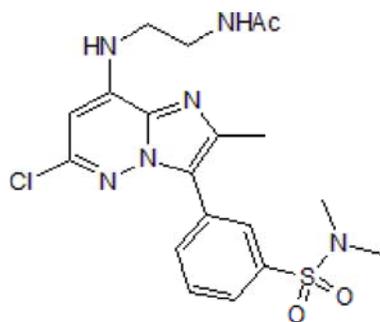
Batch Molecular Formula: C₁₉H₂₃ClN₆O₃S

Batch Molecular Weight: 450.94

Physical Appearance: Off White solid

Minimum Purity: \geq 98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 20 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:

Mejdrová *et al* (2015) Highly selective phosphatidylinositol 4-kinase III β inhibitors and structural insight into their mode of action. *J.Med.Chem.* **58** 3767. PMID: 25897704.

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