

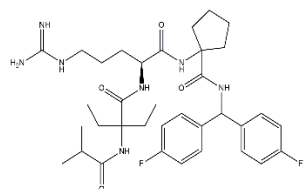
MM-102

ALTERNATE NAME: 1-[[[(2S)-5-[(aminoiminomethyl)amino]-2-[[2-ethyl-2-[(2-methyl-1-oxopropyl)amino]-1-oxobutyl]amino]-1-oxopentyl]amino]-N-[bis(4-fluorophenyl)methyl]-cyclopentanecarboxamide

CATALOG #: B2364-5
B2364-25

AMOUNT: 5 mg
25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₅H₄₉F₂N₇O₄

MOLECULAR WEIGHT: 669.8

CAS NUMBER: 1417329-24-8

APPEARANCE: Crystalline solid

PURITY: ≥98% by HPLC

SOLUBILITY: >25 mg/ml (DMSO)

REFERENCES: Karatas, H., et al. (2013). J. Amer. Chem. Soc. 135, 669-682.

DESCRIPTION: MM-102 is a potent WDR5/MLL interaction inhibitor (IC₅₀ = 2.4 nM). It has been shown to block MLL1 methyltransferase activity, reducing the expression of HoxA9 and Meis-1 genes, which are both critical MLL1 target genes in MLL1 fusion protein-mediated leukemogenesis. WD-repeat protein 5 (WDR5) is a scaffold protein commonly involved in the formation of nucleosome-modifying protein complexes with histones.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

OICR-9429 (B1256)
WDR5 0103 (B1125)
WDR5 Polyclonal antibody (6846)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*