

Product Data Sheet

Product Name: MS117
Cat. No.: GC61091

Chemical Properties

Cas. No. 2702280-86-0

SMILES NCCN(C)CC1=CNC=C1C2=CC=CC(NC(C=C)=O)=C2

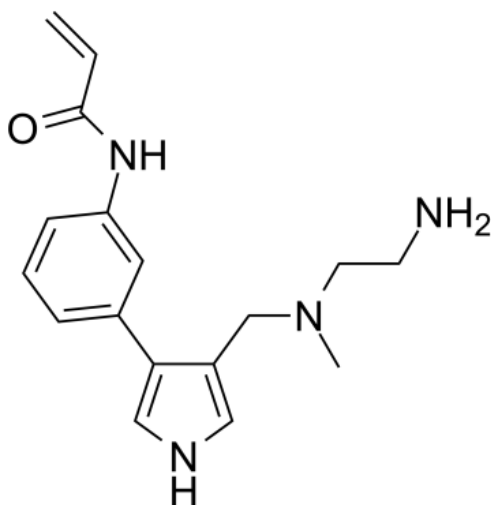
Formula $C_{17}H_{22}N_4O$ M.Wt 298.38

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

MS117 is a first-in-class and cell-active irreversible protein arginine methyltransferase 6 (PRMT6) covalent inhibitor, with an IC₅₀ of 18 nM[1].

MS117 (Compound 4) inhibits the PRMT6 methyltransferase activity in a time-dependent manner[1]. MS117 (Compound 4) shows moderate selectivity (6-fold) for PRMT6 over PRMT1 (IC₅₀ = 0.1 ± 0.025 μM) and PRMT8 (IC₅₀ = 0.11 ± 0.01 μM) [1].

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Yudao Shen, et al. Discovery of a First-in-Class Protein Arginine Methyltransferase 6 (PRMT6) Covalent Inhibitor. J Med Chem. 2020 May 28;63(10):5477-5487.

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