
Product Data Sheet

Product Name: Mcl1-IN-9

Cat. No.: GC36559

Chemical Properties

Cas. No. 1810769-31-3

SMILES O=C1C2=C(CCCOC3=CC(C)=C(Cl)C(C)=C3)C4=CC=CC(C5=C(C)N(C)N=C5C)=C4N2CCCN1CC6=CC=CC(C(O)=O)=C6Formula C₃₇H₃₉ClN₄O₄

M.Wt

639.18

Solubility Soluble in DMSO

Storage

Store at -20°C

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

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

Structure

Background

Mcl1-IN-9 is a potent myeloid cell leukemia-1 (Mcl-1) Inhibitor with an IC₅₀ of 446 nM in reengineered BCR-ABL+ B-ALL cells and a Ki of 0.03 nM[1]. Mcl-1|0.03 nM (Ki)

Mcl1-IN-9 inhibits growth of Mcl-1 dependent tumor cell lines in the nanomolar range[1].

Mcl1-IN-9 inhibits the growth of hematological and triple negative breast cancer xenografts at well tolerated doses[1].

[1]. Lee T, et al, Discovery of Potent Myeloid Cell Leukemia-1 (Mcl-1) Inhibitors That Demonstrate in Vivo Activity in Mouse Xenograft Models of Human Cancer. J Med Chem. 2019 Apr 25;62(8):3971-3988.

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

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