
Product Data Sheet

Product Name: Mps BAY 2a

Cat. No.: GC50204

Chemical Properties

Cas. No. 1382477-96-4

SMILES CC(C)CNC1=NC(C2=CC=CC3=C2C=CC=N3)=CN4C1=NC=C4C5=CC=C(C(NC6CC6)=O)C=C5

Formula C₂₉H₂₈N₆O

M.Wt

476.57

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 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 Condition ice upon request.

Structure

Background

Potent and selective Mps1 inhibitor (IC₅₀ = 1 nM for human enzyme). Selective for Mps1 over a panel of 220 kinases. Differentially inhibits human colon carcinoma cell proliferation. Blocks cell cycle progression by preventing spindle assembly checkpoint activation. Induces apoptosis.

Jemaà et al (2013) Characterization of novel MPS1 inhibitors with preclinical anticancer activity. Cell Death Differ. 20 1532 PMID:23933817

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

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