
Product Data Sheet

Product Name: MB 0223

Cat. No.: GC50574

Chemical Properties

Cas. No. 2247732-89-2

SMILES CC1=CN(C(C(NC2=CC=C(C3=CN=CC=C3)C=C2)=O)=C1)CC4=CSC(N5CCCCC5)=N4Formula C₂₆H₂₇N₅O S M.Wt 457.59

Solubility Soluble in DMSO 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**

Dynamamin-related GTPase DRP1 partial inhibitor (IC₅₀ = 1.2 μM). Selective for DRP1 over other dynamamin-related GTPases, OPA1 and DYN1. Increases mitochondrial DNA levels in mfn1-knockout MEFs deficient in mitochondrial fusion.

Mallat et al (2018) Discovery and characterization of selective small molecule inhibitors of the mammalian mitochondrial division dynamamin, DRP1. Biochem.Biophys.Res.Commun. 499 556 PMID:29601815

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

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