
Product Data Sheet

Product Name: MRT 68601 hydrochloride

Cat. No.: GC50093

Chemical Properties

Cas. No. 1962928-25-1

SMILES O=C(C1CCC1)NCCCNC2=C(C3CC3)C=NC(NC4=CC=C(N5CCOCC5)C=C4)=N2.Cl

Formula C25H34N6O2.HCl M.Wt 487.04

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

Structure

Background

Potent TBK1 (TANK-binding kinase-1) inhibitor (IC50 = 6 nM). Inhibits the formation of autophagosomes in lung cancer cells.

Newman et al (2012) TBK1 kinase addiction in lung cancer cells is mediated via autophagy of Tax1bp1/Ndp52 and non-canonical NF-κB signalling. PLoS ONE 7 e50672

PMID:23209807 |McIver et al (2012) Synthesis and structure-activity relationships of a novel series of pyrimidines as potent inhibitors of TBK1/IKKe kinases.

Bioorg.Med.Chem.Lett. 22 7169 PMID:23099093

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

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