

Product Data Sheet

Product Name: HS 38
Cat. No.: GC50260

Chemical Properties

Cas. No. 1030203-81-6

SMILES O=C1NC(SC(C(N)=O)C)=NC2=C1C=NN2C3=CC=CC(Cl)=C3

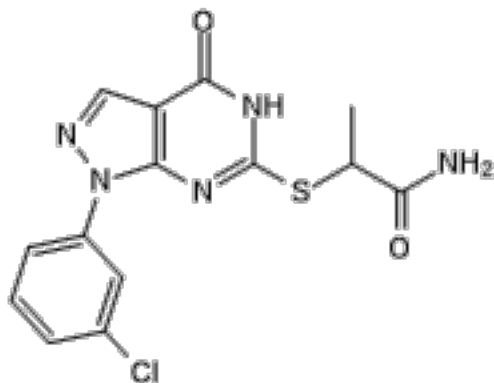
Formula C₁₄H₁₂ClN₅O₂S M.Wt 349.8

Solubility DMSO : 7.14 mg/mL (20.41 mM; Need ultrasonic) 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

ATP-competitive inhibitor of DAPK (IC₅₀ = 200 nM) and ZIPK (K_d = 280 nM). Also inhibits PIM3 kinase (IC₅₀ = 200 nM) but exhibits no significant effect on Src or Abl kinases. Reduces phosphorylation of regulatory myosin light chain and myosin light chain phosphatase in mouse aortic and rabbit ileal tissues.

MacDonald et al (2016) A Small Molecule Pyrazolo[3,4-d]Pyrimidinone Inhibitor of Zipper-Interacting Protein Kinase Suppresses Calcium Sensitization of Vascular Smooth Muscle. Mol.Pharmacol. 89 105 PMID:26464323 | Carlson et al (2013) Fluorescence linked enzyme chemoproteomic strategy for

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

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discovery of a potent and selective DAPK1 and ZIPK inhibitor. ACS.Chem.Biol. 8 2715
PMID:24070067

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