
Product Data Sheet

Product Name: HJC 0416 hydrochloride

Cat. No.: GC50343

Chemical Properties

Cas. No. 2415263-08-8

SMILES C1C(C=C1)=CC(C(NC2=CC=C3C=CS(=O)(C3=C2)=O)=O)=C1OCCCN.ClFormula $C_{18}H_{17}ClN_2O_4S.HCl$ M.Wt 429.32

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**

STAT3 inhibitor. Downregulates phosphorylation of STAT3 and increases the expression of cleaved caspase-3. Inhibits cell-cycle progression and proliferation in breast and pancreatic cancer cells in vitro (IC50 values are in the range 0.04 - 1.97 μ M). Also inhibits growth of ER-negative breast cancer xenografts in mice. Orally bioavailable.

Chen et al (2014) Discovery of potent anticancer agent HJC0416, an orally bioavailable small molecule inhibitor of signal transducer and activator of transcription 3 (STAT3). Eur.J.Med.Chem. 82 195 PMID:24904966

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

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