Product Data Sheet

Chemical Properties

Product Name: JNJ-38877605
Cas No.: 943540-75-8
M.Wt: 377.35
Formula: C19H13F2N7

Chemical Name: 6-[difluoro-[6-(1-methylpyrazol-4-yl)-[1,2,4]triazolo[4,3-b]pyridazin-3-yl]methyl]quinoline
Canonical SMILES: CN1C=CC=N1C2=NN3C(C=NN=C3C(C4=CC5=C(C=C4)N=CC=C5)(F)F)C=C2

Solubility: ≥18.85mg/mL in DMSO, ≥3.25 mg/mL in EtOH with ultrasonic, insoluble in H2O

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.

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

Biological Activity

Targets: Tyrosine Kinase
Pathways: c-MET

Description:

JNJ-38877605 is a small-molecule ATP-competitive inhibitor of the catalytic activity of c-Met. Extensive evidence that c-Met signaling is involved in the progression and spread of several cancers and an enhanced understanding of its role in disease have generated considerable
interest in c-Met and HGF as major targets in anti-cancer drug development. In vitro: JNJ-38877605 showed ~600-fold selectivity for c-Met compared with a panel of ~250 diverse tyrosine and serine-threonine kinases and was found to potently inhibit HGF-stimulated and constitutively activated c-Met phosphorylation in vitro [1]. In vivo: JNJ-38877605 showed excellent oral bioavailability approaching 100% in all examined species. In addition, JNJ-38877605 in a single dose was observed to inhibit Met phosphorylation in tumor xenografts for up to 16 h. Inhibition of Met phosphorylation was associated with dose-dependent tumor growth inhibition using a range of oral dosing regimens [2]. Clinical trial: A Safety and Dose-finding Study of JNJ-38877605 in Patients With Advanced or Refractory Solid Tumors.

Reference:

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most ApexBio products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.