

Product Data Sheet

Product Name: AZD3229

Cat. No.: GC33027

Chemical Properties

Cas. No. 2248003-60-1

SMILES COCCOC1=CC(F)=C2C(N=CN=C2NC3=CC=C(NC(CN4C=C(C(C)C)N=N4)=O)C=C3)=C1

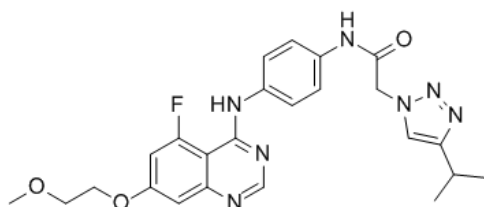
Formula $C_{24}H_{26}FN_7O_3$ M.Wt 479.51

Solubility DMSO : ≥ 100 mg/mL (208.55 mM) 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

AZD3229 is a potent pan-KIT mutant inhibitor for the treatment of gastrointestinal stromal tumors.

AZD3229 is a potent, pan-KIT mutant inhibitor with potent single digit nM growth inhibition against a diverse panel of mutant KIT driven Ba/F3 cell lines (GI50=1-50 nM). AZD3229 Tosylate demonstrates potent single digit nM growth inhibition across a broad cell panel, with good margin to KDR-driven effects. Selectivity over KDR can be rationalised predominantly by the interaction of

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

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water molecules with the protein and ligand in the active site and its kinome selectivity is similar to the best of the approved GIST agents[1].

[1]. Kettle JG, et al. Discovery of N-(4-{[5-Fluoro-7-(2-methoxyethoxy) quinazolin-4-yl]amino} phenyl)-2-[4-(propan-2-yl)-1 H-1,2,3-triazol-1-yl]acetamide (AZD3229), a Potent Pan-KIT Mutant Inhibitor for the Treatment of Gastrointestinal Stromal Tumors. J Med Chem. 2018 Oct 11;61(19):8797-8810.

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