

Product Data Sheet

Product Name: Irpagratinib

Cat. No.: GC73671

Chemical Properties

Cas. No. 2230974-62-4

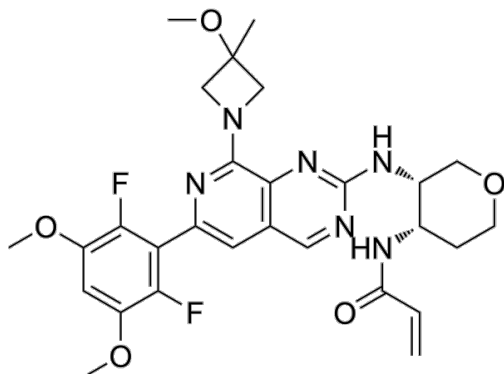
Formula $C_{28}H_{32}F_2N_6O_5$ M.Wt 570.59

Solubility DMSO : 100 mg/mL (175.26 mM; Storage -20°C
Need ultrasonic)

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

Irpagratinib (ABSK011) is an orally active inhibitor of fibroblast growth factor receptor (FGFR) tyrosine kinase, targeting to FGFR4 ($IC_{50} < 10$ nM). Irpagratinib inhibits the auto-phosphorylation of FGFR4 and blocks signal transduction from FGFR4 to downstream pathway activation. Irpagratinib exhibits high exposure in PK study in mouse, rat and dog, and also shows antineoplastic/anti-tumor

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

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activity in subcutaneous xenograft tumor models.

References:

[1]. Chen Z. Abstract LB-272: Discovery and characterization of a novel FGFR4 Inhibitor for the treatment of hepatocellular carcinoma[J]. Cancer Research, 2018, 78(13_Supplement): LB-272-LB-272.

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