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Data Sheet

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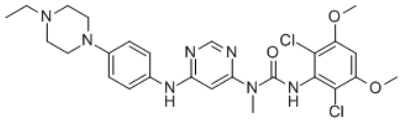
Product Name : Infigratinib
Cat. No. : PC-43484
CAS No. : 872511-34-7
Molecular Formula : $C_{26}H_{31}Cl_2N_7O_3$
Molecular Weight :
Target : FGFR
Solubility : DMSO: 27 mg/mL



Biological Activity

Infigratinib (NVP-BGJ398, BGJ398) is a potent, selective **pan-FGFR** inhibitor with IC50 of 0.9/1.0/1.4/60 nM for FGFR1/2/3/4, also shows high potenct against mutant FGFR3-K650E with IC50 of 4.9 nM.
Infigratinib (NVP-BGJ398, BGJ398) inhibits the proliferation of the FGFR1-, FGFR2-, and FGFR3-dependent BaF3 cells with IC50 of low nanomolar range.
Infigratinib (NVP-BGJ398, BGJ398) shows significant antitumor activity in RT112 bladder cancer xenografts models overexpressing wild-type FGFR3.
Infigratinib (NVP-BGJ398, BGJ398) significantly inhibits the growth of FGFR2-mutated endometrial cancer xenograft models, also ameliorates FGF23-mediated hypophosphatemic rickets in mouse models.

References

Guagnano V, et al. ***J Med Chem.*** 2011 Oct 27;54(20):7066-83.

Guagnano V, et al. ***Cancer Discov.*** 2012 Dec;2(12):1118-33.

Konecny GE, et al. ***Mol Cancer Ther.*** 2013 May;12(5):632-42.

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