MOLNOVA
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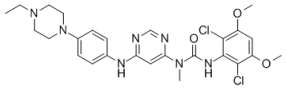
Datasheet (Version 1.0)

Product Name	:	Infigratinib
Synonyms	:	NVP-BGJ398;BGJ-398;BGJ398
Cat No.	:	M16344
CAS Number	:	872511-34-7
Molecular Formula	:	C26H31Cl2N7O3
Formula Weight	:	560.50
Chemical Name	:	Urea, N'-(2,6-dichloro-3,5-dimethoxyphenyl)-N-[6-[[4-(4-ethyl-1-piperazinyl)phenyl]amino]-4-pyrimidinyl]-N-methyl-
Description	:	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; inhibits the proliferation of the FGFR1-, FGFR2-, and FGFR3-dependent BaF3 cells with IC50 of low nanomolar range; shows significant antitumor activity in RT112 bladder cancer xenografts models overexpressing wild-type FGFR3, significantly inhibits the growth of FGFR2-mutated endometrial cancer xenograft models, also ameliorates FGF23-mediated hypophosphatemic rickets in mouse models.Blood Cancer Phase 2 Clinical
Pathway	:	Angiogenesis
Target	:	FGFR
Receptor	:	FGFR1;FGFR2;FGFR3;FGFR3(K650E);FGFR4
Solubility	:	DMSO: 27 mg/mL
SMILES	:	CCN1CCN(CC1)C1=CC=C(NC2=CC(=NC=N2)N(C)C(=O)NC2=C(Cl)C(OC)=CC(OC)=C2Cl)C=C1
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Guagnano V, et al. J Med Chem. 2011 Oct 27;54(20):7066-83.| 2. Guagnano V, et al. Cancer Discov. 2012 Dec;2(12):1118-33.| 3. Konecny GE, et al. Mol Cancer Ther. 2013 May;12(5):632-42.