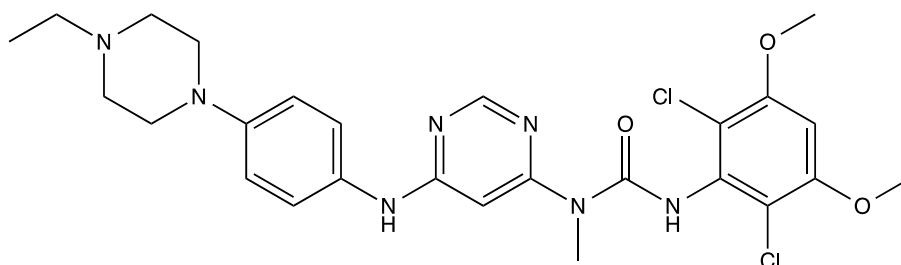


Catalog # 10-4817

NVP-BGJ398

CAS# 872511-34-7

Infigratinib; 3-(2,6-Dichloro-3,5-dimethoxyphenyl)-1-(6-{{4-(4-ethyl-1-piperazinyl)phenyl}amino}-4-pyrimidinyl)-1-methylurea
Lot # FBS1013



NVP-BGJ398 is a potent and selective pan-FGFR inhibitor (IC_{50} = 0.9nM, 1.4 nM, 1.0 nM, and 60 nM for FGFR1,2,3,4 respectively).¹ It has also been used in a mouse model of Achondroplasia (most common form of dwarfism) to correct pathological hallmarks of this condition.²

- 1) Guagnano *et al.* (2011), *Discovery of 3-(2,6-Dichloro-3,5-dimethoxyphenyl)-1-(6-{{4-(4-ethyl-1-piperazinyl)phenyl}amino}-4-pyrimidinyl)-1-methylurea (NVP-BGJ398), a Potent and Selective Inhibitor of the Fibroblast Growth Factor Receptor Family of Receptor Tyrosine Kinase*; *J.Med.Chem.* **54** 7066
- 2) Komla-Ebri *et al.* (2016), *Tyrosine kinase inhibitor NVP-BGJ398 functionally improves FGFR3-related dwarfism in mouse model*; *J.Clin.Invest.* **126** 1871

PHYSICAL DATA

Molecular Weight:	560.48
Molecular Formula:	C ₂₆ H ₃₁ Cl ₂ N ₇ O ₃
Purity:	>99% by HPLC
	NMR: Conforms
Solubility:	DMSO (5 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.