



LKT Laboratories, Inc.

NVP-BGJ398

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Product Information

Product ID N8662

CAS No. 872511-34-7

Chemical Name

Synonym BGJ398, BGJ-398, Infigratinib

Formula $C_{26}H_{31}Cl_2N_7O_3$

Formula Wt. 560.48

Melting Point

Purity $\geq 98\%$

Solubility DMSO 1 mg/mL warmed
(1.78 mM)

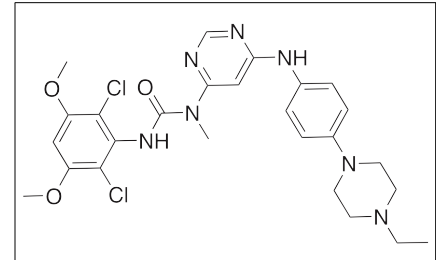
Water Insoluble
Ethanol Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description

NVP-BGJ398 is an inhibitor of FGFR that exhibits anticancer chemotherapeutic and antirachitic activities. NVP-BGJ398 inhibits cell viability in colon cancer cells and prevents progression and tumor formation in animal models of malignant rhabdoid tumors. In endometrial cancer cells, NVP-BGJ398 induces cell cycle arrest and inhibits growth; in vivo, it also inhibits tumor growth. NVP-BGJ398 inhibits aberrant FGFR signaling in animal models of rickets disease, normalizing bone growth and mineralization.



Bulk quantities available upon request

Product ID	Size
N8662	5 mg
N8662	25 mg
N8662	50 mg

References Turkington RC, Longley DB, Allen WL, et al. Fibroblast growth factor receptor 4 (FGFR4): a targetable regulator of drug resistance in colorectal cancer. *Cell Death Dis.* 2014 Feb 6;5:e1046. PMID: 24503538.

Wöhrlé S, Weiss A, Ito M, et al. Fibroblast growth factor receptors as novel therapeutic targets in SNF5-deleted malignant rhabdoid tumors. *PLoS One.* 2013 Oct 30;8(10):e77652. PMID: 24204904.

Konecny GE, Kolarova T, O'Brien NA, et al. Activity of the fibroblast growth factor receptor inhibitors dovitinib (TKI258) and NVP-BGJ398 in human endometrial cancer cells. *Mol Cancer Ther.* 2013 May;12(5):632-42. PMID: 23443805.

Wöhrlé S, Henninger C, Bonny O, et al. Pharmacological inhibition of fibroblast growth factor (FGF) receptor signaling ameliorates FGF23-mediated hypophosphatemic rickets. *J Bone Miner Res.* 2013 Apr;28(4):899-911. PMID: 23129509.

Guagnano V, Furet P, Spanka C, et al. Discovery of 3-(2,6-dichloro-3,5-dimethoxy-phenyl)-1-{{6-[4-(4-ethyl-piperazin-1-yl)-phenylamino]-pyrimidin-4-yl}-1-methyl-urea (NVP-BGJ398), a potent and selective inhibitor of the fibroblast growth factor receptor family of receptor tyrosine kinase. *J Med Chem.* 2011 Oct 27;54(20):7066-83. PMID: 21936542.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.