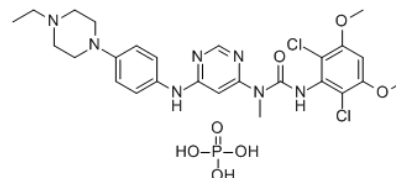


**Product Name** : NVP-BGJ398 phosphate  
**Cat. No.** : PC-43485  
**CAS No.** : 1310746-10-1  
**Molecular Formula** : C<sub>26</sub>H<sub>34</sub>Cl<sub>2</sub>N<sub>7</sub>O<sub>7</sub>P  
**Molecular Weight** : 658.47  
**Target** : FGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

NVP-BGJ398 phosphate (Infigratinib phosphate, BGJ398 phosphate) is a potent, selective pan-**FGFR** inhibitor with IC<sub>50</sub> of 0.9/1.0/1.4/60 nM for FGFR1/2/3/4, also shows high potency against mutant FGFR3-K650E with IC<sub>50</sub> of 4.9 nM. Infigratinib phosphate (NVP-BGJ398) inhibits the proliferation of the FGFR1-, FGFR2-, and FGFR3-dependent BaF3 cells with IC<sub>50</sub> of low nanomolar range.

Infigratinib phosphate (NVP-BGJ398) 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.

## 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.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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