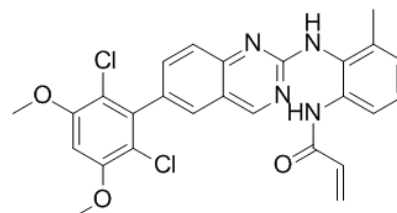


**Product Name** : BLU9931  
**Cat. No.** : PC-43232  
**CAS No.** : 1538604-68-0  
**Molecular Formula** : C<sub>26</sub>H<sub>22</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 509.3839  
**Target** : FGFR  
**Solubility** : DMSO: 17 mg/mL



## Biological Activity

BLU9931 (BLU-9931) is a potent, selective, irreversible inhibitor of **FGFR4** with IC<sub>50</sub> of 3 nM. BLU9931 shows much weaker activity for FGFR1 (IC<sub>50</sub>=591 nM), FGFR2 (IC<sub>50</sub>=493 nM) and FGFR3 (IC<sub>50</sub>=150 nM). BLU9931 potently and selectively inhibits FGFR4 signaling and cell proliferation in HCC cell lines with an activated FGFR4 signaling pathway (Huh-7 cell IC<sub>50</sub>=110 nM, JHH-7 IC<sub>50</sub>=20 nM). BLU9931 shows remarkable antitumor activity in mice bearing HCC tumor xenograft that overexpresses FGF19.

## References

- Hagel M, et al. *Cancer Discov.* 2015 Apr;5(4):424-37.  
Packer LM, et al. *Cancer Discov.* 2015 Apr;5(4):355-7.  
Yamamoto M, et al. *Cancer Sci.* 2018 Mar 13. doi: 10.1111/cas.13569.

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

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