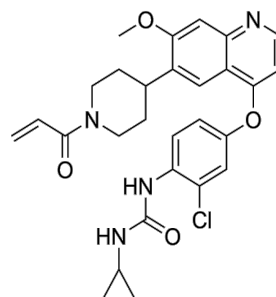


## Data Sheet

[WWW.UREIKO-CHEM.COM](http://WWW.UREIKO-CHEM.COM)

Global Supplier of Chemical Probes, Inhibitors & Agonists

**Product Name** : FGFR-IN-11  
**Cat.No.** : URK-V2507  
**CAS No.** : 2658488-68-5  
**Molecular Weight** : 521.01  
**Molecular Formula** :  $C_{28}H_{29}ClN_4O_4$   
**Target** :  
**Solubility** :



### Biological Activity

FGFR-IN-11 is a novel small molecule inhibitor of fibroblast growth factor receptor (FGFR).

FGFR is a transmembrane receptor tyrosine kinase that plays a crucial role in various biological processes such as cell differentiation, proliferation, and migration. Aberrant FGFR signaling has been implicated in the development of a wide range of diseases including cancer, cardiovascular disease, and bone disorders.

FGFR-IN-11 works by binding to the ATP-binding pocket of FGFR, inhibiting the phosphorylation of the receptor and downstream signaling pathways. This inhibition leads to the suppression of cell proliferation and induction of apoptosis in cancer cells.

### References

1. Kümper S, et al. FGFR inhibitors: A patent review (2011 - 2015). Expert Opin Ther Pat. 2016;26(12):1351-1363.
2. Zhao G, et al. FGFR inhibitors: A new targeted therapy for cancer. Cancer Lett. 2015;379(2):99-109.
3. Yuan L, et al. FGFR inhibitors: A patent review (2016-present). Expert Opin Ther Pat. 2020;30(2):81-91.

*Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!*

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

[JACK@UREIKO-CHEM.COM](mailto:JACK@UREIKO-CHEM.COM)