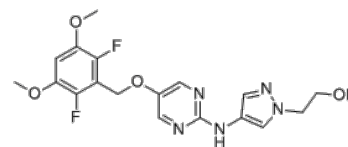


**Product Name** : ASP5878  
**Cat. No.** : PC-70221  
**CAS No.** : 1453208-66-6  
**Molecular Formula** : C<sub>18</sub>H<sub>19</sub>F<sub>2</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 407.378  
**Target** : FGFR  
**Solubility** : DMSO: 250 mg/mL



## Biological Activity

ASP-5878 (ASP5878) is a novel potent, selective pan-**FGFR** inhibitor with IC<sub>50</sub> of 0.47/0.60/0.74/3.5 nM for FGFR1/2/3/4, respectively.

ASP-5878 also inhibits FGFR3 (K650E), FGFR3 (K650M), VEGFR2, FGFR4 (N535K), FMS with IC<sub>50</sub> of 1.6, 4.2, 25, 78, 150 nM, respectively.

ASP-5878 potently suppressed the growth of the FGF19-expressing hepatocellular carcinoma cell lines Hep3B2.1-7, HuH-7, and JHH-7 with IC<sub>50</sub> of 8.5-27 nM.

ASP-5878 induces sustained tumor regression in a xenograft mouse model using Hep3B2.1-7. Orally bioactive.

## References

Futami T, et al. *Mol Cancer Ther.* 2017 Jan;16(1):68-75.

Kikuchi A, et al. *Cancer Sci.* 2017 Feb;108(2):236-242.

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

E-mail: tech@probechem.com