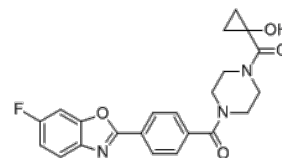


**Product Name** : FT113  
**Cat. No.** : PC-72348  
**CAS No.** : 1630808-89-7  
**Molecular Formula** : C<sub>22</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 409.417  
**Target** : Fatty Acid Synthase  
**Solubility** : 10 mM in DMSO



## Biological Activity

FT113 (FT-113) is a potent inhibitor of **fatty acid synthase** (FASN) with IC<sub>50</sub> of 213 nM (hFASN).

FT113 showed anti-proliferative activity against prostate (PC3 cell line), breast (BT-474 cell line), and leukemia (MV-411 cell line, IC<sub>50</sub>=26 nM) cancer cells.

FT113 exhibited tumor growth inhibition of 32% and 50% by treatment with 25 and 50 mg/kg, respectively, increased malonyl-CoA levels in vivo.

## References

Matthew W Martin, et al. *Bioorg Med Chem Lett*. 2019 Apr 15;29(8):1001-1006.

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

E-mail: tech@probechem.com