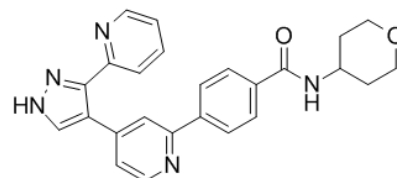


**Product Name** : GW788388  
**Cat. No.** : PC-42525  
**CAS No.** : 452342-67-5  
**Molecular Formula** : C<sub>25</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 425.4824  
**Target** : TGF beta Receptor (TGFBR)  
**Solubility** : DMSO: ≥ 48 mg/mL



## Biological Activity

GW788388 is a potent, selective, and orally active TGF-β type I receptor (**ALK5**) inhibitor with IC<sub>50</sub> of 18 nM in binding assay.

GW788388 displays excellent selectivity over a panel of kinases (AMPK, Chk1, PDK1, etc.).

GW788388 has an IC<sub>50</sub> of 93 nM in TGF-β cellular assay.

GW788388 presents activity in a PAN-induced model of kidney fibrosis by inhibiting collagen IA1 mRNA at doses of 3 and 10 mg/kg u.i.d.

## References

Gellibert F, et al. *J Med Chem.* 2006 Apr 6;49(7):2210-21.

Petersen M, et al. *Kidney Int.* 2008 Mar;73(6):705-15.

de Oliveira FL, et al. *PLoS Negl Trop Dis.* 2012;6(6):e1696.

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

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