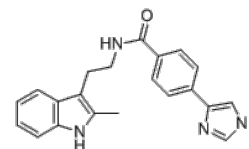


**Product Name** : TG8-260  
**Cat. No.** : PC-72851  
**CAS No.** : 2490544-50-6  
**Molecular Formula** : C<sub>21</sub>H<sub>20</sub>N<sub>4</sub>O  
**Molecular Weight** : 344.418  
**Target** : Prostaglandin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

TG8-260 is a second-generation, potent, selective **EP2 antagonist** with Schild KB of 13.2 nM.

TG8-260 displays 500-fold selectivity to EP2 against other prostanoid receptors.

TG8-260 has a plasma half-life of 2.14 h (PO) and excellent oral bioavailability (77.3%), TG8-260 is a potent inhibitor of CYP450 enzymes.

TG8-260 displays antagonistic activity on the induction of EP2 receptor-mediated inflammatory gene expression in microglia BV2-hEP2 cells.

TG8-260 reduces hippocampal neuroinflammation and gliosis after pilocarpine-induced status epilepticus in rats.

TG8-260 is a tool for investigating anti-inflammatory pathways in peripheral inflammatory disease animal models.

## References

Radhika Amaradhi, et al. *ACS Pharmacol Transl Sci.* 2022 Jan 25;5(2):118-133.

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

E-mail: tech@probechem.com