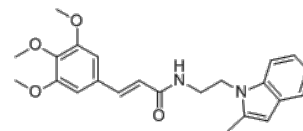


Product Name : TG4-155
Cat. No. : PC-62029
CAS No. : 1164462-05-8
Molecular Formula : C₂₃H₂₆N₂O₄
Molecular Weight : 394.5
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



Biological Activity

TG4-155 is a potent and selective prostaglandin **EP2** receptor antagonist with Kb of 2.4 nM.

TG4-155 displays 4,730-fold selectivity over EP4, >500-fold selectivity over human BLT1, EP1, EP3, and FP receptors, and 7-fold selectivity against human DP1 receptor.

TG4-155 displays robust inhibition of PGE2-induced cAMP accumulation in C6G cells stably expressing mouse EP2 receptor.

TG4-155 significantly reduces SE-induced neurodegeneration in mice.

References

Jiang J, et al. *Proc Natl Acad Sci U S A*. 2012 Feb 21;109(8):3149-54.

Jiang J, et al. *J Pharmacol Exp Ther*. 2013 Feb;344(2):360-7.

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

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