

Product Name	: TG6-10-1
Synonyms	: TG6-10-1; TG 6-10-1; TG-6-10-1; TP6101
Cat No.	: M17283
CAS Number	: 1415716-58-3
Molecular Formula	: C ₂₃ H ₂₃ F ₃ N ₂ O ₄
Formula Weight	: 448.43
Chemical Name	: (E)-N-(2-(2-(trifluoromethyl)-1H-indol-1-yl)ethyl)-3-(3,4,5-trimethoxyphenyl)acrylamide
Description	TG6-10-1 is a potent and selective antagonist for the prostaglandin E2 receptor subtype EP2. Systemic administration of TG6-10-1 completely recapitulates the effects of conditional ablation of cyclooxygenase-2 from principal forebrain neurons, namely reduced delayed mortality, accelerated recovery from weight loss, reduced brain inflammation, prevention of blood-brain barrier opening, and neuroprotection in the hippocampus, without modifying seizures acutely. TG6-10-1 shows low-nanomolar antagonist activity against EP2.
Pathway	: PI3K/Akt/mTOR signaling
Target	: PI3K
Receptor	: 5-HT2B
Solubility	: DMSO : ≥ 100 mg/mL; 223.00 mM
SMILES	: <chem>C(=O)/C=C/c1cc(c(c1)OC)OC)OC)NCCn1c(cc2ccccc12)C(F)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jiang J, et al. Proc Natl Acad Sci U S A. 2013 Feb 26;110(9):3591-3596.

