
Product Name	: TG4-155
Synonyms	: —
Cat No.	: M20218
CAS Number	: 1164462-05-8
Molecular Formula	: C ₂₃ H ₂₆ N ₂ O ₄
Formula Weight	: 394.47
Chemical Name	: (E)-N-[2-(2-methylindol-1-yl)ethyl]-3-(3,4,5-trimethoxyphenyl)prop-2-enamide
Description	: TG4-155 is a brain penetrant EP2 antagonist (KB = 2.4 nM) that is over 1000-fold less effective at EP4 (KB = 11.4 μM) and a panel of other receptors and channels.
Pathway	: GPCR/G Protein
Target	: Prostaglandin Receptor
Receptor	: EP2
Solubility	: DMSO: 125 mg/mL (316.89 mM)
SMILES	: <chem>COc1cc(C=C(C(=O)NCCn2c(C)cc3ccccc23)cc(OC)c1OC</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jiang J Ganesh T Du Y et al. Small molecule antagonist reveals seizure-induced mediation of neuronal injury by prostaglandin E2 receptor subtype EP2[J]. Proceedings of the National Academy of Sciences 2012 109(8):3149-3154.