

Product Name	: BAY-1797
Synonyms	: —
Cat No.	: M23922
CAS Number	: 2055602-83-8
Molecular Formula	: C ₂₀ H ₁₇ ClN ₂ O ₄ S
Formula Weight	: 416.9
Chemical Name	: —
Description	: BAY-1797 is an orally active and selective P2X ₄ antagonist (IC ₅₀ : 211 nM against human P2X ₄) with anti-nociceptive and anti-inflammatory effects. BAY-1797 displays no or very weak activity on the other P2X ion channels.
Pathway	: Neuroscience
Target	: P2 Receptor
Receptor	: human P2X ₄ ; human P2X ₁ ; human P2X ₂ ; human P2X ₃ ; human P2X ₇
Solubility	: DMSO:250 mg/mL (599.69 mM; Need ultrasonic)
SMILES	: <chem>C1=CC=C(C=C1)CC(=O)NC2=CC(=C(C=C2)OC3=CC(=CC=C3)Cl)S(=O)(=O)N</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Werner S, et al. Discovery and Characterization of the Potent and Selective P2X₄ Inhibitor N-[4-(3-Chlorophenoxy)-3-sulfamoylphenyl]-2-phenylacetamide (BAY-1797) and Structure-Guided Amelioration of Its CYP3A4 Induction Profile. J Med Chem. 2019 Dec 26;62(24):11194-11217.