

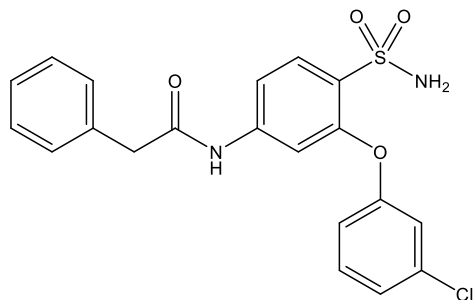
**Catalog # 10-3980**

**BAY-1797**

CAS# 2055602-83-8

N-[4-(3-Chlorophenoxy)-3-sulfamoylphenyl]-2-phenylacetamide

Lot # FBA7121



BAY-1797 (2055602-83-8) is a selective P2X4 receptor antagonist ( $IC_{50} = 211$  nM HEK cellular assay; P2X4 calcium influx based assays –  $hIC_{50} = 108$  nM,  $mIC_{50} = 112$  nM,  $rIC_{50} = 233$  nM).<sup>1</sup> Displayed antinociceptive and anti-inflammatory effects in mouse CFA inflammatory pain models.

- 1) Werner *et al.* (2019) *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. **62** 11194

**PHYSICAL DATA**

Molecular Weight:	416.88
Molecular Formula:	C <sub>20</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>4</sub> S
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	Pale brown solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**