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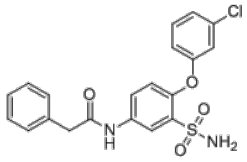
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BAY-1797
Cat. No.	:	PC-73112
CAS No.	:	2055602-83-8
Molecular Formula	:	$C_{20}H_{17}ClN_2O_4S$
Molecular Weight	:	416.876
Target	:	P2X Receptor
Solubility	:	10 mM in DMSO



Biological Activity

BAY-1797 (BAY1797) is a potent and selective **P2X4** inhibitor/antagonist with IC50 of 211 nM (hP2X4).
BAY-1797 is suitable for in vivo studies in rodents.
BAY-1797 demonstrated anti-inflammatory and anti-nociceptive effects in a mouse complete Freund's adjuvant (CFA) inflammatory pain model.
BAY-1797 displays no or very weak activity on the other P2X ion channels (humanP2X1, P2X23, P2X3, P2X7, all IC50 >8.3 uM), does not inhibit hERG and Carbonic Anhydrase II, also is selective against a panel of off-targets, including GPCRs, ion channels, kinases, and transporters at 10 uM.

References

Werner S, et al. ***J Med Chem***. 2019 Dec 26;62(24):11194-11217.

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