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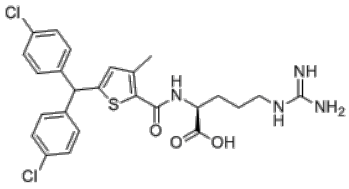
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	C3aR antagonist JR14a
Cat. No.	:	PC-72006
CAS No.	:	2411440-41-8
Molecular Formula	:	$C_{25}H_{26}Cl_2N_4O_3S$
Molecular Weight	:	533.468
Target	:	Complement System
Solubility	:	10 mM in DMSO



Biological Activity

C3aR antagonist JR14a is a potent and selective antagonist of human Complement C3a receptor (**hC3aR**) with IC50 of 10 nM (Inhibition of intracellular Ca2+ release induced by 100 nM C3a).
JR14a shows no agonist activity against hC3aR and 100-fold more potent than SB290157 (Cat. PC-60789).
JR14a inhibited β-hexosaminidase secretion (IC50=8 nM) from human LAD2 mast cells degranulated by 100 nM C3a.
JR14a demonstarted anti-inflammatory activity against agonist-induced paw edema in male Wistar rats.

References

Jessica A Rowley, et al. ***J Med Chem.*** 2020 Jan 23;63(2):529-541.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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