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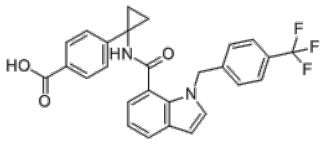
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	MF-766
Cat. No.	:	PC-36059
CAS No.	:	1050656-06-8
Molecular Formula	:	$C_{27}H_{21}F_3N_2O_3$
Molecular Weight	:	478.471
Target	:	Prostaglandin Receptor
Solubility	:	10 mM in DMSO



Biological Activity

MF-766 (MF766) is a highly potent and selective **EP(4)** antagonist with binding Ki of 0.23 nM, displays no significant affinity (>7000-fold selectivity) against other PG receptors (IC50>1500 nM).
MF-766 behaved as a full antagonist with an IC50 of 1.4 nM (shifted to 1.8 nM in the presence of 10% HS) in the functional assay.
MF-766 exhibits blockade of inhibition of TNFa-induced IP10 release by the specific EP4 agonist L-000902688 (IC50=9.5 nM).
MF-766 demonstrates potency and efficacy of in the rat AIA model measuring inhibition of paw swelling.

References

Colucci J, et al. ***Bioorg Med Chem Lett.*** 2010 Jun 15;20(12):3760-3.

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

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