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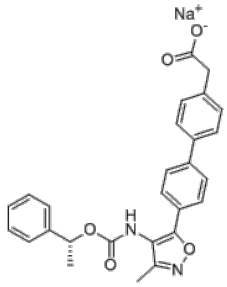
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	AM095
Cat. No.	:	PC-49650
CAS No.	:	1345614-59-6
Molecular Formula	:	$C_{27}H_{23}N_2NaO_5$
Molecular Weight	:	478.48
Target	:	Lysophospholipid Receptor
Solubility	:	10 mM in DMSO



Biological Activity

AM095 (AM-095) is a potent, selective and orally active lysophosphatidic acid type 1 receptor (**LPA1**) antagonist with IC50 of 0.98 and 0.73 uM for hLPA1 and mLPA1 in GTP S binding assays, respectively, with no LPA1 agonism.
AM095 inhibited LPA-driven chemotaxis of CHO cells overexpressing mouse LPA1 (IC50=778 nM) and human A2058 melanoma cells (IC50=233 nM) in function assays.
AM095 inhibited LPA1-driven chemotaxis of both human A2058 melanoma cells (IC50 =0.23 uM) and mouse LPA1/CHO cells (IC50=0.78 uM)。
AM095 dose-dependently reduced LPA-stimulated histamine release, attenuated bleomycin-induced increases in collagen, protein, and inflammatory cell infiltration in bronchalveolar lavage fluid in vivo.
AM095 decreased kidney fibrosis in a mouse unilateral ureteral obstruction model.

References

Swaney JS, et al. ***J Pharmacol Exp Ther***. 2011 Mar;336(3):693-700.

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