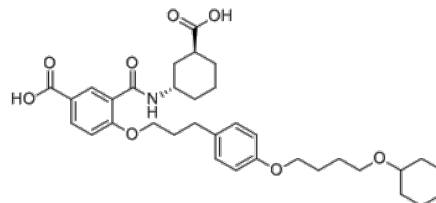


Product Name : HAMI3379
Cat. No. : PC-35285
CAS No. : 1245653-57-9
Molecular Formula : C₃₄H₄₅NO₈
Molecular Weight : 595.733
Target : Leukotriene Receptor
Solubility : 10 mM in DMSO



Biological Activity

HAMI3379 (HAMI-3379) is a potent and selective antagonist of cysteinyl leukotriene 2 (**CysLT(2)**) receptor, inhibits LTD₄- and LTC₄-induced intracellular calcium mobilization with IC₅₀ of 3.8 nM and 4.4 nM respectively.

HAMI3379 exhibits very low potency on a recombinant CysLT(1) receptors (IC₅₀>10 μM), does not exhibit any agonistic activity on both CysLT receptors.

HAMI3379 concentration-dependently inhibits and reverses the LTC₄(4)-induced perfusion pressure increase and contractility decrease in isolated Langendorff-perfused guinea pig hearts, protects against acute brain injury after focal cerebral ischemia in rats.

References

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Zhang XY, et al. *J Pharmacol Exp Ther.* 2013 Aug;346(2):328-41.

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

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