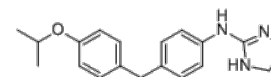


Product Name : RO1138452
Cat. No. : PC-35353
CAS No. : 221529-58-4
Molecular Formula : C₁₉H₂₃N₃O
Molecular Weight : 309.413
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



Biological Activity

RO1138452 is a potent, selective antagonist of prostacyclin receptor (**IP receptor**), inhibits carbaprostacylin-stimulated c-AMP accumulation in human SH-SY5Y neuroblastoma cells with pK_b of 8.8.

RO1138452 does not display significant affinity for cloned human EP1, EP3, FP, and TP receptors.

RO1138452 suppresses Taprostene (1 μM)-induced inhibition of CXCL9 and CXCL10 release from BEAS-2B cells with pA₅₀ (molar) values of -8.73 and -8.47.

References

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Jones RL, et al. Br J Pharmacol. 2006 Sep;149(1):110-20.
Ayer LM, et al. J Pharmacol Exp Ther. 2008 Feb;324(2):815-26.
Clark RD, et al. Bioorg Med Chem Lett. 2004 Feb 23;14(4):1053-6.

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

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