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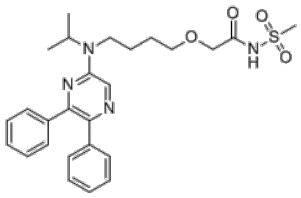
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Selexipag
Cat. No.	:	PC-20915
CAS No.	:	475086-01-2
Molecular Formula	:	$C_{26}H_{32}N_4O_4S$
Molecular Weight	:	496.63
Target	:	Prostaglandin Receptor
Solubility	:	10 mM in DMSO



CAS: 475086-01-2

Biological Activity

Selexipag (NS-304) is an orally available, long-acting nonprostanoid prostacyclin receptor (**IP receptor**) agonist, the prodrug of the active form of MRE-269.
MRE-269 inhibits the human IP receptor with inhibition constant (Ki) of 20 nM.
Selexipag (NS-304) inhibits the binding of [3H]Iloprost to the human and rat IP receptors in a concentration-dependent manner., with Ki of 260 nM for the human IP receptor and 2100 nM for the rat IP receptor.
Selexipag (NS-304) increases intracellular cAMP levels in hIP-CHO cells with EC50 of 177 nM.
Selexipag (NS-304) is a promising drug candidate for various vascular diseases, especially pulmonary arterial hypertension and arteriosclerosis obliterans.

References

Morrison K, et al. ***J Pharmacol Exp Ther.*** 2010 Oct;335(1):249-55.

Kuwano K, et al. ***J Pharmacol Exp Ther.*** 2008 Sep;326(3):691-9.

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