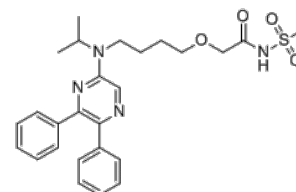


Product Name : Selexipag
Cat. No. : PC-20915
CAS No. : 475086-01-2
Molecular Formula : C₂₆H₃₂N₄O₄S
Molecular Weight : 496.63
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



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 (K_i) 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 K_i 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.

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

E-mail: tech@probechem.com