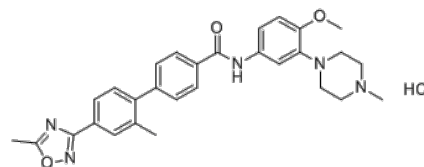


Product Name : GR127935 hydrochloride
Cat. No. : PC-61866
CAS No. : 148642-42-6
Molecular Formula : C₂₉H₃₁N₅O₃.HCl
Molecular Weight : 534.06
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

GR127935 hydrochloride is a potent and selective **5-HT_{1B/1D}** receptor antagonist with pK_i of 8.5 for both guinea pig 5-HT_{1D} and rat 5-HT_{1B} receptor.

GR127935 displays >100-fold selectivity over 5HT_{1A}, 5-HT_{2A}, 5-HT_{2C} receptors and other receptor types.

GR127935 blocks porcine carotid vascular response to sumatriptan in vivo; orally bioavailable and centrally active.

References

Clitherow JW, et al. *J Med Chem.* 1994 Jul 22;37(15):2253-7.

Knobelman DA, et al. *J Pharmacol Exp Ther.* 2001 Sep;298(3):1083-91.

De Vries P, et al. *Br J Pharmacol.* 1996 May;118(1):85-92.

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

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