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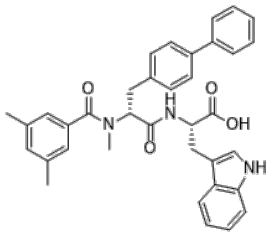
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	IRL-2500
Cat. No.	:	PC-23819
CAS No.	:	169545-27-1
Molecular Formula	:	$C_{36}H_{35}N_3O_4$
Molecular Weight	:	573.69
Target	:	Endothelin Receptor
Solubility	:	10 mM in DMSO



CAS: 173326-37-9

Biological Activity

IRL-2500 (IRL 2500) is a potent and selective endothelin-B receptor (ETB) antagonist, inhibits binding of [125I]-endothelin-1 (ET-1) to human ETB with IC50 of 1.3 nM, 70-fold selective over ETA receptor.
IRL 2500 inhibited the sarafotoxin S6c (STX6c)-mediated contraction of the dog saphenous vein (pKb 7.77) and the STX6c-induced relaxation of the preconstricted rabbit mesenteric artery (pKb 6.92)
IRL 2500 (10 mg/kg, i.v.) inhibited the initial transient decrease in mean arterial pressure (MAP) induced by the ETB-selective agonist IRL 1620 (0.5 nmol/kg, i.v.) in anesthetized rats.
IRL 2500 (10 mg/kg, i.v.) inhibited the initial transient decrease in mean arterial pressure (MAP) induced by the ETB-selective agonist IRL 1620 (0.5 nmol/kg, i.v.).

References

Balwierczak JL, et al. J Cardiovasc Pharmacol. 1995;26 Suppl 3:S393-6.

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