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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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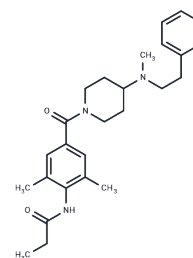
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OPC-28326

Chemical Properties

CAS No. : 167626-17-7
 Formula: C₂₆H₃₅N₃O₂
 Molecular Weight: 421.58
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	OPC-28326 is a specific α_2 -adrenergic receptor antagonist and acts as a peripheral vasodilator. OPC-28326 inhibits α_2A -, α_2B - and α_2C -adrenoceptors with K_i of 2040, 285, and 55nM, respectively.
Targets(IC ₅₀)	Adrenergic Receptor
In vitro	OPC-28326 augments microvessel growth and improves endothelial tube formation. OPC-28326 dose-dependently induces phosphorylation of eNOS and Akt without affecting total amounts of eNOS and Akt in HAECs[1].
In vivo	OPC-28326 improves blood flow recovery in murine hindlimb ischemia and increases the number of capillaries in the ischemic leg[1]. In rats, intravenous administration of OPC-28326 (3 - 30 mg/kg) and yohimbine (0.3 - 3 mg/kg) results in a dose-dependent rightward shift in the pressor dose-response curve induced by B-HT 920 without affecting the mydriasis[2].

Solubility Information

Solubility	DMSO: 4.22 mg/mL (10 mM) (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.372 mL	11.8601 mL	23.7203 mL
5 mM	0.4744 mL	2.372 mL	4.7441 mL
10 mM	0.2372 mL	1.186 mL	2.372 mL
50 mM	0.0474 mL	0.2372 mL	0.4744 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Sumi M, et al. OPC-28326, a selective femoral arterial vasodilator, augments ischemia induced angiogenesis. Biomed Pharmacother. 2007 May;61(4):209-15. Epub 2006 Dec 28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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