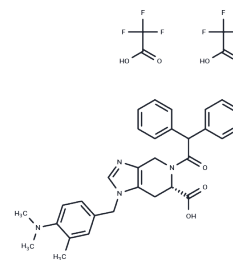


PD 123319 ditrifluoroacetate

Chemical Properties

CAS No. : 136676-91-0
 Formula: C35H34F6N4O7
 Molecular Weight: 736.66
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PD 123319 (ditrifluoroacetate) is a potent and selective AT2 angiotensin II receptor antagonist with an IC50 of 34 nM.
Targets(IC50)	Others
In vitro	PD-123319 did not have any effect on 125I-All binding to this site. The second class of binding sites was more sensitive to PD-123319, with an IC50 of 6.9 +/- 3.7 nM, and had a much lower affinity for DuP-753 (IC50 around 10 microM). The two classes of receptors had different affinities for All. All showed an affinity around 2 nM for All type 1 receptor (AT1)(DuP-753 sensitive) and a higher affinity, around 0.3 nM, for All type 2 receptor (AT2) (PD-123319 sensitive). All-induced steroidogenesis was completely abolished in the presence of 3 microM DuP-753, indicating that this activity was mediated through a DuP-753-sensitive receptor.

Solubility Information

Solubility	H2O: 36 mg/mL (48.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3575 mL	6.7874 mL	13.5748 mL
5 mM	0.2715 mL	1.3575 mL	2.715 mL
10 mM	0.1357 mL	0.6787 mL	1.3575 mL
50 mM	0.0271 mL	0.1357 mL	0.2715 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

- Boulay G, et al. Modulation of angiotensin II binding affinity by allosteric interaction of polyvinyl sulfate with an intracellular domain of the DuP-753-sensitive angiotensin II receptor of bovine adrenal glomerulosa. *Mol Pharmacol.* 1992 Apr;41(4):809-15
- Estrup TM, et al. No effect of angiotensin II AT(2)-receptor antagonist PD 123319 on cerebral blood flow autoregulation. *J Renin Angiotensin Aldosterone Syst.* 2001 Sep;2(3):188-92.
- Blankley CJ, et al. Synthesis and structure-activity relationships of a novel series of non-peptide angiotensin II receptor binding inhibitors specific for the AT2 subtype. *J Med Chem.* 1991 Nov;34(11):3248-60.

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