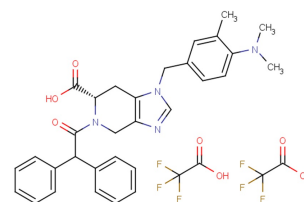


PD 123319 ditrifluoroacetate

Chemical Properties

CAS No.: 136676-91-0
 Formula: C₃₅H₃₄F₆N₄O₇
 Molecular Weight: 736.66
 Appearance: N/A
 Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	PD 123319 (ditrifluoroacetate) is a potent and selective antagonist of AT ₂ angiotensin II receptor (IC ₅₀ of 34 nM).
Targets (IC ₅₀)	AT ₂ Receptor: 34 nM
In vitro	PD-123319 did not have any effect on ¹²⁵ I-All binding to this site. The second class of binding sites was more sensitive to PD-123319, with an IC ₅₀ of 6.9 +/- 3.7 nM, and had a much lower affinity for DuP-753 (IC ₅₀ 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 (AT ₁) (DuP-753 sensitive) and a higher affinity, around 0.3 nM, for All type 2 receptor (AT ₂) (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	H ₂ O: 36 mg/mL (48.87 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.357 mL	6.787 mL	13.575 mL
5 mM	0.271 mL	1.357 mL	2.715 mL
10 mM	0.136 mL	0.679 mL	1.357 mL
50 mM	0.027 mL	0.136 mL	0.271 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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
2. 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.
3. 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.

[Inhibitors](#) · [Natural Compounds](#) · [Compound Libraries](#)

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481