

**Product Name:** PD 123319 ditrifluoroacetate

**Catalog No.:** 1361

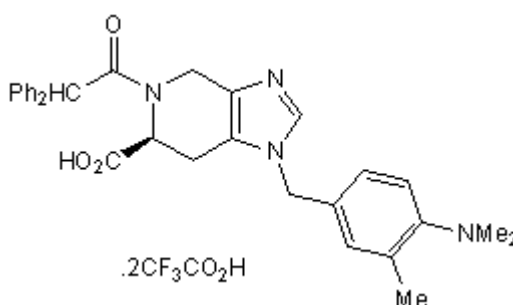
**Batch No.:** 3

CAS Number: 130663-39-7

IUPAC Name: 1-[[4-(Dimethylamino)-3-methylphenyl]methyl]-5-(diphenylacetyl)-4,5,6,7-tetrahydro-1*H*-imidazo[4,5-*c*]pyridine-6-carboxylic acid ditrifluoroacetate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $C_{31}H_{32}N_4O_3 \cdot 2CF_3CO_2H \cdot 1\frac{3}{4}H_2O$   
**Batch Molecular Weight:** 768.19  
**Physical Appearance:** Off-white solid  
**Solubility:** water to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows >99.4% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Optical Rotation:**  $[\alpha]_D = +6$  (Concentration = 1, Solvent = Methanol)  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	54.72	4.92	7.29
Found	54.5	4.61	7.06

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Potent, selective, non-peptide angiotensin AT<sub>2</sub> receptor antagonist. IC<sub>50</sub> values are 34 and 210 nM in rat adrenal tissue and brain respectively.

**Physical and Chemical Properties:**

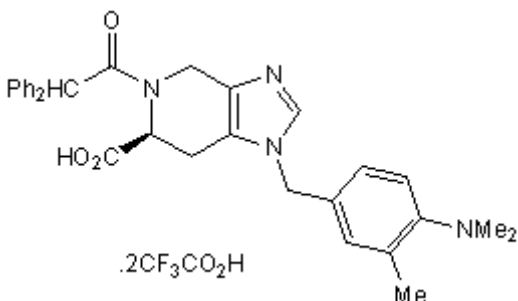
Batch Molecular Formula: C<sub>31</sub>H<sub>32</sub>N<sub>4</sub>O<sub>3</sub>.2CF<sub>3</sub>CO<sub>2</sub>H.1¼H<sub>2</sub>O

Batch Molecular Weight: 768.19

Physical Appearance: Off-white solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

water to 100 mM

CAUTION - This product is hygroscopic and we recommend that it is desiccated upon arrival. Solutions should be made up as soon as the vial is opened.

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Blankley et al** (1991) Synthesis and structure-activity relationships of a novel series of non-peptide angiotensin II receptor binding inhibitors specific for the AT<sub>2</sub> subtype. *J.Med.Chem.* **34** 3248. PMID: 1956044.

**Boulay et al** (1992) 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.* **41** 809. PMID: 1569928.

**Tamura et al** (2000) Induction of angiotensin II subtype 2 receptor-mediated blood pressure regulation in synthetic diet-fed rats. *J.Hypertens.* **18** 1239. PMID: 10994755.

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