

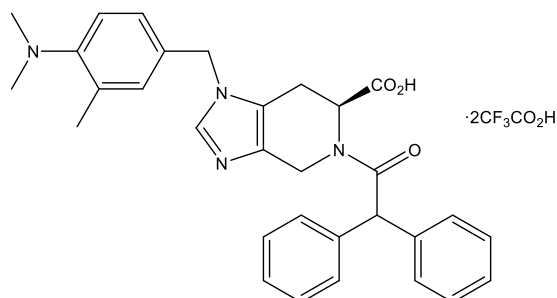
Catalog # 10-4959

PD 123319 ditrifluoroacetate

CAS# 136676-91-0

(6S)-1-[[4-(Dimethylamino)-3-methylphenylmethyl]-5-(2,2-diphenylacetyl)-6,7-dihydro-4H-imidazo[4,5-c]pyridine-6-carboxylic acid ditrifluoroacetate

Lot # FBS3046



PD 123319 is a potent ($IC_{50} = 34$ nM) and selective non-peptide angiotensin II type 2 (AT_2) antagonist.¹ Ameliorated symptoms of 2,4-dinitrobenzenesulfonic-induced colitis in rats via inhibition of NF- κ B activation.² PD123319 displayed protective effects in ischemia-reperfusion injury and oxidative damage in rat hearts.³

- 1) 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_2 subtype*; J. Med. Chem. **34** 3248
- 2) Zizzo *et al.* (2020); *PD123319, angiotensin II type II receptor antagonist, inhibits oxidative stress and inflammation in 2,4-dinitrobenzene sulfonic acid-induced colitis in rat and ameliorates colonic contractility*; Inflammopharmacology **28** 187
- 3) Kilic *et al.* (2019); *Angiotensin II type 2 receptor blocker PD123319 had more beneficial effects than losartan on ischemia-reperfusion injury and oxidative damage in isolated rat hearts*; Can. J. Physiol. Pharmacol. **97** 1124

PHYSICAL DATA

| | |
|------------------------|---|
| Molecular Weight: | 736.66 |
| Molecular Formula: | $C_{31}H_{32}N_4O_3 \cdot 2CF_3CO_2H$ |
| Purity: | 98% by HPLC |
| | NMR: (Conforms) |
| Solubility: | DMSO (>25 mg/ml); water (>25 mg/ml) |
| Physical Description: | Yellow solid |
| Storage and Stability: | Store as supplied at $-20^\circ C$ for up to 2 years from the date of purchase. Solutions in DMSO or water may be stored at $-20^\circ C$ for up to 3 months. |

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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