

PD 123319

Catalog No: tcsc1548



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

130663-39-7

Formula:

$C_{31}H_{32}N_4O_3$

Pathway:

GPCR/G Protein

Target:

Angiotensin Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

(S)-(+)-PD 123319

Observed Molecular Weight:

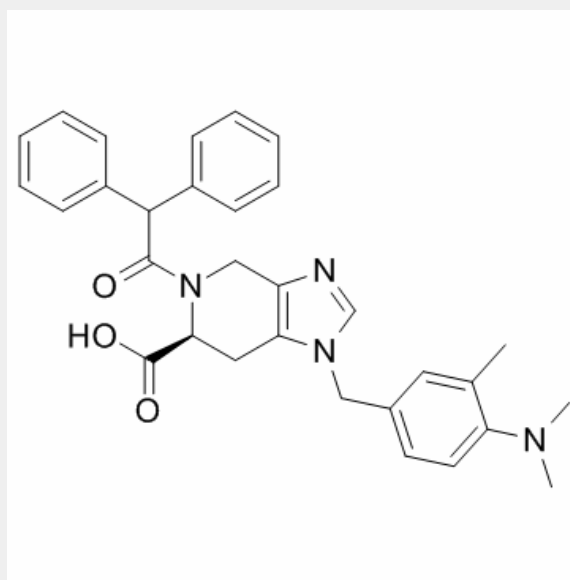
508.61

Product Description

PD 123319 (dinitrofluoroacetate) is a potent, selective **AT2 angiotensin II receptor** antagonist with **IC₅₀** of 34 nM.

IC50 & Target: IC50: 34 nM (AT2 Receptor)^[1]

In Vitro: PD 123319 is shown to discriminate between two subclasses of All receptors in many different tissues. ¹²⁵I-All specifically label two classes of binding sites for All in a membrane preparation of bovine adrenal glomerulosa cells. The first class (DuP-753 sensitive) represents approximately 85% of the total binding sites for All and possesses a high affinity (IC₅₀ of 92.9 nM) for DuP-753. PD-123319 does not have any effect on ¹²⁵I-All binding to this site. The second class of binding sites is more sensitive to PD-123319, with an IC₅₀ of 6.9 nM, and has a much lower affinity for DuP-753 (IC₅₀ around 10 microM)^[2].



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