

# AGN 192836

Catalog No: tcsc0018452



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

171102-29-7

**Formula:**

$C_{12}H_{13}N_3O_2$

**Pathway:**

GPCR/G Protein

**Target:**

Adrenergic Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

231.25

## Product Description

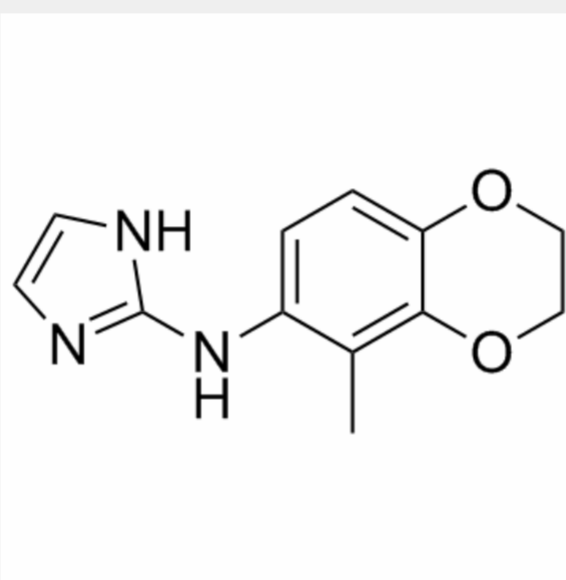
AGN 192836 is a potent and selective **α2 adrenergic** agonist with **EC<sub>50</sub>**s of 8.7, 41 and 6.6 nM for α2A, α2B and α2C receptor, respectively.

IC50 & Target: EC50: 8.7 nM ( $\alpha$ 2A), 41 nM ( $\alpha$ 2B), 6.6 nM ( $\alpha$ 2C)<sup>[1]</sup>

Ki: 1.7 nM ( $\alpha$ 2A), 82 nM ( $\alpha$ 2B), 19 nM ( $\alpha$ 2C)<sup>[1]</sup>

**In Vitro:** Binding assays demonstrates that AGN 192836 is 1200-fold selective for the  $\alpha$ 2A-receptor relative to the  $\alpha$ 1-receptor, 50-fold selective for the  $\alpha$ 2A-receptor relative to the  $\alpha$ 2B-receptor, and 10-fold selective for the  $\alpha$ 2Areceptor relative to the  $\alpha$ 2C-receptor [1].

**In Vivo:** AGN 192836 is equally efficacious when compared to brimonidine for the reduction of intraocular pressure upon topical administration to the rabbit and more efficacious than brimonidine for the reduction of blood pressure upon intravenous administration to monkey<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!