

# AP521

Catalog No: tcsc0018163



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

151227-08-6

**Formula:**

$C_{20}H_{19}ClN_2O_3S$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

5-HT Receptor;5-HT Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

402.89

## Product Description

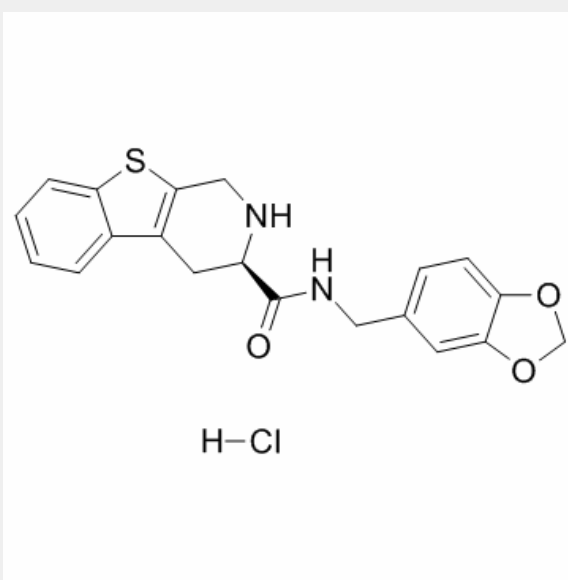
AP521 is an agonist of human **5-HT<sub>1A</sub> receptor** with an **IC<sub>50</sub>** of 94 nM.

IC50 & Target: IC50: 94 nM (5-HT<sub>1A</sub> (human))<sup>[1]</sup>

***In Vitro:***

AP521 is an agonist of human 5-HT<sub>1A</sub> receptor with IC<sub>50</sub>s of 135, 94, 254, 5530, 418, 422 and 198 nM for 5-HT<sub>1A</sub> (rat), 5-HT<sub>1A</sub> (human), 5-HT<sub>1B</sub> (rat), 5-HT<sub>1B</sub> (human), 5-HT<sub>1D</sub> (human), 5-HT<sub>5a</sub> (human) and 5-HT<sub>7</sub> (rat), respectively. AP521 also decreases the forskolin-induced cAMP accumulation from 10 nM to 10 μM<sup>[1]</sup>.

***In Vivo:*** AP521 significantly increases the number of shock acceptances [F(5,105)=4.46, P[1].



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