

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

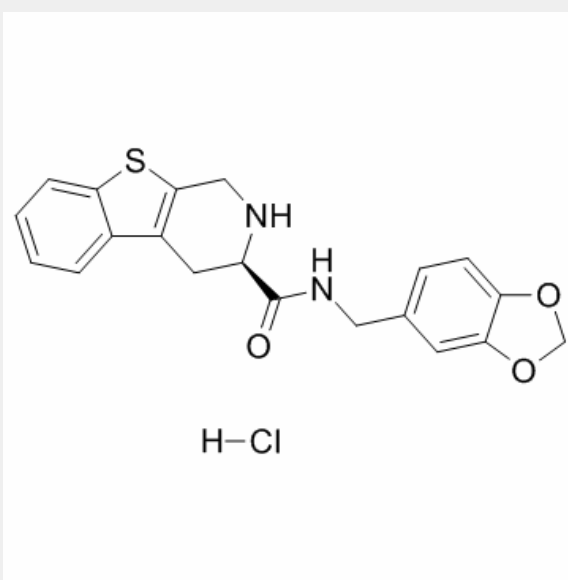
AP521 is an agonist of human **5-HT_{1A} receptor** with an **IC₅₀** of 94 nM.

IC50 & Target: IC50: 94 nM (5-HT_{1A} (human))^[1]

In Vitro:

AP521 is an agonist of human 5-HT_{1A} receptor with IC₅₀s of 135, 94, 254, 5530, 418, 422 and 198 nM for 5-HT_{1A} (rat), 5-HT_{1A} (human), 5-HT_{1B} (rat), 5-HT_{1B} (human), 5-HT_{1D} (human), 5-HT_{5a} (human) and 5-HT₇ (rat), respectively. AP521 also decreases the forskolin-induced cAMP accumulation from 10 nM to 10 μM^[1].

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!