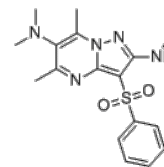


**Product Name** : AVN-492  
**Cat. No.** : PC-73302  
**CAS No.** : 1220646-23-0  
**Molecular Formula** : C<sub>17</sub>H<sub>21</sub>N<sub>5</sub>O<sub>2</sub>S  
**Molecular Weight** : 359.448  
**Target** : 5-HT Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

AVN-492 is a highly potent and selective **5-HT<sub>6</sub>** receptor antagonist with K<sub>i</sub> of 91 pM, >1000-fold selectivity over 5-HT<sub>2BR</sub> (K<sub>i</sub>=170 nM).

AVN-492 displays great 5-HT<sub>6R</sub> selectivity against all other serotonin receptor subtypes, and is extremely specific against any other receptors such as adrenergic, GABAergic, dopaminergic, histaminergic, etc.

AVN-492 demonstrates good in vitro and in vivo ADME profile with high oral bioavailability and good brain permeability in rodents.

AVN-492 shows anxiolytic effect in elevated plus-maze model, prevents an apomorphine-induced disruption of startle pre-pulse inhibition (the PPI model) and reverses a scopolamine- and MK-801-induced memory deficit in passive avoidance model.

## References

Ivachtchenko AV, et al. *J Alzheimers Dis.* 2017;58(4):1043-1063.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com