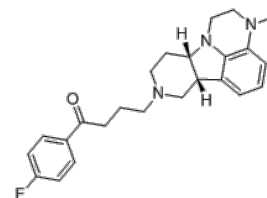


**Product Name** : Lumateperone  
**Cat. No.** : PC-70076  
**CAS No.** : 313368-91-1  
**Molecular Formula** : C<sub>24</sub>H<sub>28</sub>N<sub>3</sub>O  
**Molecular Weight** : 393.496  
**Target** : 5-HT Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Lumateperone (ITI-007) is a potent **5-HT<sub>2A</sub>** antagonist (K<sub>i</sub>=0.54 nM), postsynaptic D<sub>2</sub> antagonist (K<sub>i</sub>=32 nM), and SERT blocker (K<sub>i</sub>= 61 nM).

Lumateperone also shows affinity for D<sub>1</sub>.

Lumateperone is orally bioavailable and exhibits good antipsychotic efficacy in vivo.

## References

Li P, et al. *J Med Chem.* 2014 Mar 27;57(6):2670-82.

Snyder GL, et al. *Psychopharmacology (Berl).* 2015 Feb;232(3):605-21.

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

E-mail: tech@probechem.com