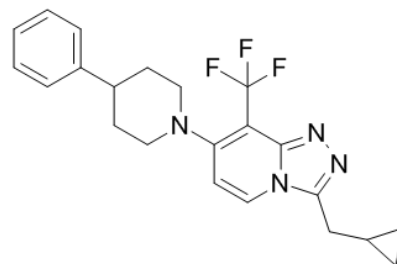


**Product Name** : JNJ-42153605  
**Cat. No.** : PC-45423  
**CAS No.** : 1254977-87-1  
**Molecular Formula** : C<sub>22</sub>H<sub>23</sub>F<sub>3</sub>N<sub>4</sub>  
**Molecular Weight** : 400.44  
**Target** : mGluR  
**Solubility** : DMSO: 10 mM



## Biological Activity

A potent, selective positive allosteric modulator of mGlu2 receptor with EC<sub>50</sub> of 17 nM; displays >100-fold selectivity over mGlu1,3-8 receptors; shows a central in vivo efficacy by inhibition of REM sleep state (3 mg/kg, po) in the rat sleep-wake EEG paradigm; reverses PCP-induced hyperlocomotion ( ED<sub>50</sub> of 5.4 mg/kg, sc).

## References

- Cid JM, et al. J Med Chem. 2012 Oct 25;55(20):8770-89.  
Wyckhuys T, et al. J Pharmacol Exp Ther. 2014 Aug;350(2):375-86.  
Megens AA, et al. Eur J Pharmacol. 2014 Mar 15;727:130-9.

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

E-mail: tech@probechem.com