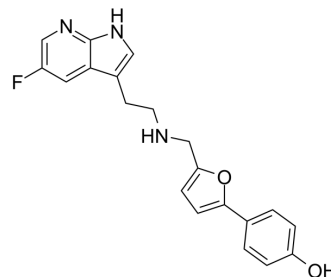


## 5-HT<sub>6</sub>/5-HT<sub>2A</sub> receptor ligand-2

Cat. No.:	HY-146077
CAS No.:	2411088-16-7
Molecular Formula:	C <sub>20</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>2</sub>
Molecular Weight:	351.37
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	5-HT <sub>6</sub> /5-HT <sub>2A</sub> receptor ligand-2 (compound 42) is a brain-penetrant dual 5-HT <sub>6</sub> /5-HT <sub>2A</sub> receptor antagonist, with a K <sub>i</sub> of 25 nM and 32 nM, respectively. 5-HT <sub>6</sub> /5-HT <sub>2A</sub> receptor ligand-2 shows pro-cognitive properties <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	5-HT <sub>6</sub> Receptor 25 nM (K <sub>i</sub> )	5-HT <sub>2A</sub> Receptor 32 nM (K <sub>i</sub> )

### REFERENCES

[1]. Staroń J, et, al. Virtual screening-driven discovery of dual 5-HT<sub>6</sub>/5-HT<sub>2A</sub> receptor ligands with pro-cognitive properties. Eur J Med Chem. 2020 Jan 1;185:111857.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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