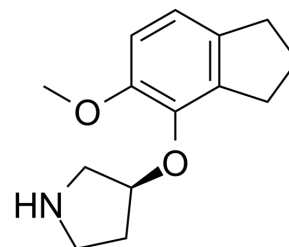


## Org37684

Cat. No.:	HY-103120
CAS No.:	213007-95-5
Molecular Formula:	C <sub>14</sub> H <sub>20</sub> ClNO <sub>2</sub>
Molecular Weight:	269.77
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



H-Cl

### BIOLOGICAL ACTIVITY

<b>Description</b>	Org37684 is a highly potent 5-HT <sub>2C</sub> receptor agonist (pEC <sub>50</sub> =8.17). Org37684 exhibits a rank order of potency of 5-HT <sub>2C</sub> >5-HT <sub>2B</sub> >5-HT <sub>2A</sub> . Its selectivity for the 5-HT <sub>2C</sub> receptor is approximately 2.5 times over the 5-HT <sub>2B</sub> (pEC <sub>50</sub> =7.96) and ten times for the 5-HT <sub>2A</sub> (pEC <sub>50</sub> =7.11) receptor <sup>[1]</sup> .
<b>In Vitro</b>	Org37684 is an agonist at recombinant human 5-HT <sub>2A</sub> , 5-HT <sub>2B</sub> and 5-HT <sub>2C</sub> receptors in CHO-K1 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Porter RH, et al. Functional characterization of agonists at recombinant human 5-HT<sub>2A</sub>, 5-HT<sub>2B</sub> and 5-HT<sub>2C</sub> receptors in CHO-K1 cells. Br J Pharmacol. 1999;128(1):13-20.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA