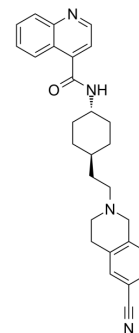


## SB-277011

<b>Cat. No.:</b>	HY-10847
<b>CAS No.:</b>	215803-78-4
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>30</sub> N <sub>4</sub> O
<b>Molecular Weight:</b>	438.56
<b>Target:</b>	Dopamine Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

**Description** SB-277011 is a potent and delective dopamine D3 receptor antagonist (pKi values are 8.0, 6.0, 5.0 and <5.2 for D3, D2, 5-HT1D and 5-HT1B respectively); brain penetrant. IC50 value: 8.0 (pKi) Target: D3 receptor

### CUSTOMER VALIDATION

- Nat Neurosci. 2021 Dec 9.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

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- [3]. Southam E, Lloyd A, Jennings CA, Cluderay JE, Cilia J, Gartlon JE, Jones DN. Effect of the selective dopamine D3 receptor antagonist SB-277011-A on regional c-Fos-like expression in rat forebrain. *Brain Res.* 2007 May 29;1149:50-7. Epub 2007 Feb 28.
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- [5]. Higley, Amanda E.; Kiefer, Stephen W.; Li, Xia; Gaal, Jozsef; Xi, Zheng-Xiong; Gardner, Eliot L. Dopamine D3 receptor antagonist SB-277011A inhibits methamphetamine self-administration and methamphetamine-induced reinstatement of drug-seeking in rats. *Eur*

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

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