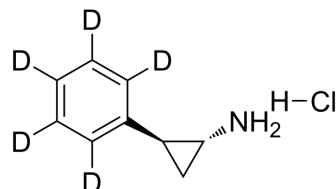


## Tranlycypromine-d<sub>5</sub> hydrochloride

<b>Cat. No.:</b>	HY-17447SA
<b>CAS No.:</b>	107077-98-5
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>7</sub> D <sub>5</sub> ClN
<b>Molecular Weight:</b>	174.68
<b>Target:</b>	Monoamine Oxidase; Histone Demethylase
<b>Pathway:</b>	Neuronal Signaling; Epigenetics
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Tranlycypromine-d <sub>5</sub> (hydrochloride) is a deuterium labeled (rel)-Tranlycypromine hydrochloride. Tranlycypromine hydrochloride is an irreversible, nonselective monoamine oxidase (MAO) inhibitor used in the treatment of depression. Tranlycypromine hydrochloride is also a lysine-specific demethylase 1 (LSD1) inhibitor, suppresses lesion growth and improves generalized hyperalgesia in mouse with induced endometriosis[1][2].
<b>IC<sub>50</sub> &amp; Target</b>	KDM1/LSD1

### REFERENCES

- [1]. Caraci F, et al. Neuroprotective effects of the monoamine oxidase inhibitor tranlycypromine and its amide derivatives against Aβ(1-42)-induced toxicity. *Eur J Pharmacol.* 2015 Oct 5;764:256-263.
- [2]. Sun Q, et al. Tranlycypromine, a lysine-specific demethylase 1 (LSD1) inhibitor, suppresses lesion growth and improves generalized hyperalgesia in mouse with induced endometriosis. *Reprod Biol Endocrinol.* 2016 Apr 9;14:17.

**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