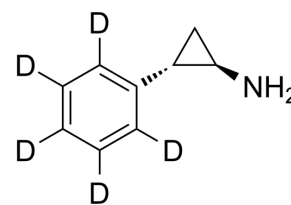


(rel)-Tranlycypromine D5 hydrochloride

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



H-Cl

Relative stereochemistry

BIOLOGICAL ACTIVITY

Description	(rel)-Tranlycypromine D5 hydrochloride (2-Phenylcyclopropylamine D5 hydrochloride) is a deuterium labeled (rel)-Tranlycypromine hydrochloride. (rel)-Tranlycypromine hydrochloride is an irreversible, nonselective monoamine oxidase (MAO) inhibitor used in the treatment of depression. (rel)-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]} .
IC₅₀ & Target	Monoamine oxidase (MAO) ^[1] Lysine-specific demethylase 1 (LSD1) ^[2]

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