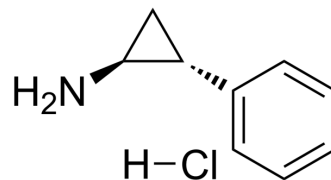


(1S,2R)-Tranlycypromine hydrochloride

Cat. No.:	HY-17447B
CAS No.:	4548-34-9
Molecular Formula:	C ₉ H ₁₂ ClN
Molecular Weight:	169.65
Target:	Monoamine Oxidase; Histone Demethylase
Pathway:	Neuronal Signaling; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(1S,2R)-Tranlycypromine ((1S,2R)-SKF 385) hydrochloride is a potent antidepressant agent. (1S,2R)-Tranlycypromine hydrochloride can inhibit MAO and LSD1 ^{[1][2]} .
IC ₅₀ & Target	KDM1/LSD1

REFERENCES

- [1]. Tetsuya Ezawa, et al. Amidation of carboxylic acids via the mixed carbonic carboxylic anhydrides and its application to synthesis of antidepressant (1S,2R)-tranlycypromine. *Tetrahedron: Asymmetry*. 15 December 2017;28(12):1690-1699.
- [2]. Valente S, et al. Pure Diastereomers of a Tranlycypromine-Based LSD1 Inhibitor: Enzyme Selectivity and In-Cell Studies. *ACS Med Chem Lett*. 2014 Dec 8;6(2):173-7.

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

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