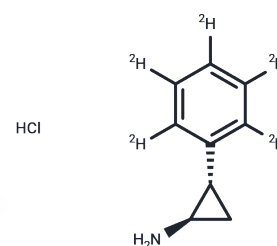


## (rel)-Tranlycypromine-D5 hydrochloride

## Chemical Properties

CAS No. :	107077-98-5
Formula:	C <sub>9</sub> H <sub>12</sub> ClN
Molecular Weight:	174.682
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	(rel)-Tranlycypromine-D5 hydrochloride is a deuterium labeled (rel)-Tranlycypromine hydrochloride. (rel)-Tranlycypromine hydrochloride is an irreversible, nonselective inhibitor of monoamine oxidase (MAO) used in the treatment of depression.
Targets(IC50)	Histone Demethylase, Monoamine Oxidase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7248 mL	28.6238 mL	57.2475 mL
5 mM	1.145 mL	5.7248 mL	11.4495 mL
10 mM	0.5725 mL	2.8624 mL	5.7248 mL
50 mM	0.1145 mL	0.5725 mL	1.145 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- 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.
- 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.

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