

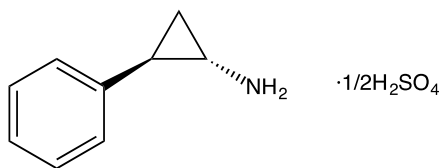
**Catalog # 10-4535**

**Tranlycypromine Hemisulfate**

CAS# 13492-01-8

trans-(±)-2-Phenylcyclopropylamine hemisulfate

Lot # FBS3050



Tranlycypromine is an irreversible and non-selective monoamine oxidase inhibitor.<sup>1,2</sup> It has been shown to inhibit the histone demethylase BHC110/LSD1.<sup>3,4</sup>

- 1) Knoll *et al.* (1980), *Monoamine oxidase inhibitors: Chemistry and Pharmacology*; In, Sandler (ed) Enzyme inhibitors as drugs, MacMillan, London 151
- 2) Baker *et al.* (1992), *Insights into the mechanisms of action of the MAO inhibitors phenelzine and tranlycypromine; a review*, J.Psychiatry Neurosci. **17** 206
- 3) Lee *et al.* (2006), *Histone H3 lysine 4 demethylation is a target of nonselective antidepressive medications*; Chemistry and Biology, **13** 563
- 4) Schmidt and McCafferty (2007), *trans-2-Phenylcyclopropylamine is a Mechanism-Based Inactivator of the Histone Demethylase LSD1* Biochemistry **46** 4408

**PHYSICAL DATA**

Molecular Weight:	182.23
Molecular Formula:	C <sub>9</sub> H <sub>11</sub> N · ½ H <sub>2</sub> SO <sub>4</sub>
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	Water (>25 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**