

## Tranlycypromine hemisulfate ( $\pm$ ), Demethylase inhibitor

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Catalog	Unit
TBI4535-50MG	50 mg
TBI4535-250MG	250 mg

### Product Details

**Formal Name:** Trans ( $\pm$ )-2-phenylcyclopropanamine, hemisulfate salt

**Alternate Names:** 2-PCPA; SKF-385

**Molecular Formula:** C<sub>9</sub>H<sub>11</sub>N · 1/2(H<sub>2</sub>SO<sub>4</sub>)

**Formula Weight:** 182.23

**CAS Number:** 13492-01-8

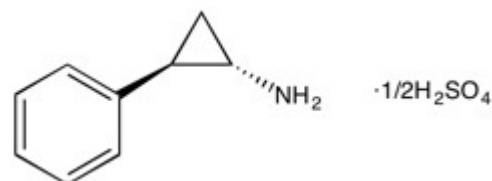
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in Water (up to 25 mg/ml).

**Storage:** -20°C

**Stability:**  $\geq$  1 year.



### Applications

Demethylase inhibitor

### Functions

Irreversible inhibitor of lysine-specific demethylase 1 (LSD1/BHC110) IC<sub>50</sub> < 2  $\mu$ M. Tranlycypromine treatment of P19 embryonal carcinoma cells resulted in global increase of H3K4 methylation along with transcriptional derepression of two BHC110 target genes, Egr1 and Oct4. When combined with CHIR99021, induces the generation of human-induced pluripotent stem cells in the absence of exogenous Sox2. Reduces proliferation, cell cycle progression and invasiveness of endometriotic stromal cells. Upregulates CD86 expression in THP1 cells. Monoamine oxidase inhibitor. Cell permeable and active in vivo.

### Application Procedures

First dissolved in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20° for up to 3 months.

**For research use only.**