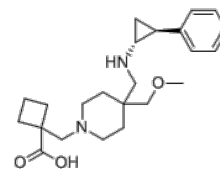


**Product Name** : INCB059872  
**Cat. No.** : PC-38127  
**CAS No.** : 1802909-49-4  
**Molecular Formula** : C<sub>23</sub>H<sub>34</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 386.536  
**Target** : Histone Demethylase  
**Solubility** : 10 mM in DMSO



## Biological Activity

INCB059872 (INCB-059872, INCB 59872) is a potent, selective, and orally active lysine-specific demethylase 1 (**LSD1**) inhibitor.

INCB059872 inhibits the proliferation of a panel of SCLC cell lines with EC<sub>50</sub> values ranging from 47 to 377 nM.

Oral administration of INCB059872 on once daily (QD) and alternative day (QoD) dosing regimens inhibited tumor growth in the NCI-H526 and NCI-H1417 human SCLC xenograft models.

INCB059872 treatment in these models led to the induction of the FEZ1 and UMODL1 genes relative to vehicle-treated animals, as part of a gene signature in SCLC cell lines that is predictive of LSD1 responsiveness.

## References

Dai XJ, et al. *J Med Chem.* 2020 Dec 10;63(23):14197-14215.

Johnston G, et al. *Gene.* 2020 Aug 20;752:144758.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com