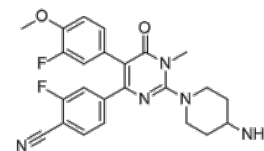


**Product Name** : Pulrodestat  
**Cat. No.** : PC-38671  
**CAS No.** : 1821307-10-1  
**Molecular Formula** : C<sub>24</sub>H<sub>23</sub>F<sub>2</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 451.478  
**Target** : Histone Demethylase  
**Solubility** : 10 mM in DMSO



## Biological Activity

Pulrodestat (CC-90011) is a potent, selective, reversible and orally active inhibitor of lysine specific demethylase-1 (**LSD1**) with biochemical IC<sub>50</sub> of 0.3 nM.

CC-90011 inhibits gastrin-releasing peptide (GRP) mRNA expression in H209 and H1417 cell lines with IC<sub>50</sub> of 3 nM and 4 nM, respectively.

CC-90011 exhibits potent antiproliferative activity (EC<sub>50</sub>=6 nM, H1417) that correlated with GRP suppression.

CC-90011 exhibits potent on-target induction of cellular differentiation in acute myeloid leukemia (AML) and small cell lung cancer (SCLC) cell lines, and antitumor efficacy in patient-derived xenograft (PDX) SCLC models.

## References

Kanouni T, et al. *J Med Chem*. 2020 Dec 10;63(23):14522-14529.

Hollebecque A, et al. *Clin Cancer Res*. 2021 Jan 15;27(2):438-446.

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

E-mail: tech@probechem.com