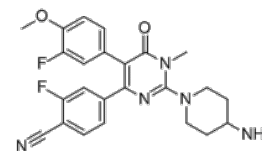


Product Name : Pulrodemstat
Cat. No. : PC-38671
CAS No. : 1821307-10-1
Molecular Formula : C₂₄H₂₃F₂N₅O₂
Molecular Weight : 451.478
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

Pulrodemstat (CC90011) is a potent, selective, reversible and orally active inhibitor of lysine specific demethylase-1 (LSD1) with biochemical IC₅₀ of 0.3 nM.

CC-90011 inhibits gastrin-releasing peptide (GRP) mRNA expression in H209 and H1417 cell lines with IC₅₀ of 3 nM and 4 nM, respectively.

CC-90011 exhibits potent antiproliferative activity (EC₅₀=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