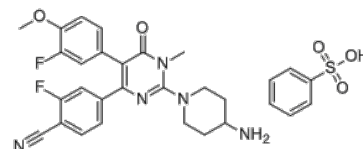


Product Name : Pulrodestat benzenesulfonat
Cat. No. : PC-38672
CAS No. : 2097523-60-7
Molecular Formula : C₃₀H₂₉F₂N₅O₅S
Molecular Weight : 609.649
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

Pulrodestat (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!

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