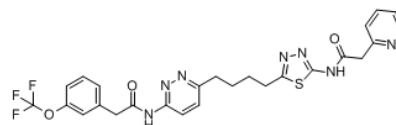


Product Name : CB-839
Cat. No. : PC-42933
CAS No. : 1439399-58-2
Molecular Formula : C₂₆H₂₄F₃N₇O₃S
Molecular Weight : 571.57
Target : Glutaminase
Solubility : 10 mM in DMSO



Biological Activity

CB-839 (Telaglenastat) is a potent, selective, and orally bioavailable inhibitor of **glutaminase** with IC₅₀ of 28 and 23 nM for glutaminase-1 (GLS1) in kidney and brain (GAC and KGA), but not the liver form of glutaminase (GLS2, IC₅₀>1 μM).

CB-839 (Telaglenastat) demonstrates antiproliferative activity in triple-negative breast cancer (TNBC) cell line HCC-1806 and MDA-MB-231 with IC₅₀ of 20-55 nM.

CB-839 (Telaglenastat) decreases glutamine consumption, glutamate production, oxygen consumption, and the steady-state levels of glutathione and several tricarboxylic acid cycle intermediates.

CB-839 (Telaglenastat) exhibits vivo efficacy in breast cancer xenograft models, both as a single agent and in combination with paclitaxel.

References

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

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