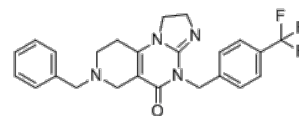


Product Name : ONC212
Cat. No. : PC-72443
CAS No. : 1807861-48-8
Molecular Formula : C₂₄H₂₃F₃N₄O
Molecular Weight : 440.47
Target : Other Targets
Solubility : 100 mM in DMSO (44 mg/mL)



Biological Activity

ONC212 (ONC-212) is a potent anti-cancer small molecule, activator of an orphan GPCR **GPR132** and Gαq signaling. ONC212 possesses highly increased antitumor activity compared to the first-generation compound ONC201. ONC212 induced apoptogenic effects through the induction of an integrated stress response, and reduced MCL-1 expression.

Oral administration of ONC212 inhibited AML growth in vivo and improved overall survival in xenografted mice. ONC212 exhibited broad-spectrum efficacy at nanomolar concentrations across solid tumors and hematological malignancies.

ONC212 impairs oxidative phosphorylation (OXPHOS) with decrease in mitochondrial-derived ATP production, mitochondrial protease ClpP was identified as an ONC212-binding target.

References

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Wagner J, et al. *Cell Cycle*. 2017 Oct 2;16(19):1790-1799.
Lev A, et al. *Oncotarget*. 2017 Sep 12;8(47):81776-81793.
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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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