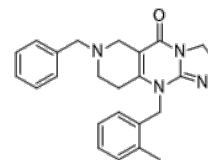


Product Name : ONC201
Cat. No. : PC-61649
CAS No. : 41276-02-2
Molecular Formula : C₂₄H₂₆N₄O
Molecular Weight : 386.50
Target : TRAIL
Solubility : 10 mM in DMSO



Biological Activity

ONC201 (Dordaviprone, TIC10, ONC-201) is a potent, orally active, and brain-permeable small molecule that transcriptionally induces **TRAIL** in a p53-independent manner, is a potent caseinolytic protease P (**ClpP**) activator with EC50 of 1.25 uM.

ONC201 also is a selective **dopamine receptor D2 (DRD2)** antagonist.

ONC201 induces a sustained up-regulation of TRAIL in tumors and normal cells, inactivates kinases Akt and ERK, leading to the translocation of Foxo3a into the nucleus.

ONC201 is an efficacious antitumor therapeutic agent that acts on tumor cells and their microenvironment to enhance the concentrations of the endogenous tumor suppressor TRAIL.

References

Allen JE, et al. **Sci Transl Med.** 2013 Feb 6;5(171):171ra17.

Prabhu VV, et al. **Cancer Res.** 2015 Apr 1;75(7):1423-32.

Allen JE, et al. **Cancer Res.** 2015 Apr 15;75(8):1668-74.

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

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