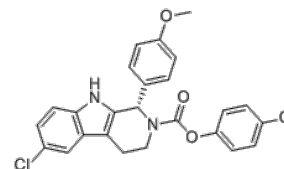


Product Name : PTC299
Cat. No. : PC-35755
CAS No. : 1256565-36-2
Molecular Formula : C₂₅H₂₀Cl₂N₂O₃
Molecular Weight : 467.346
Target : Other Targets
Solubility :



Biological Activity

Emvododstat (PTC-299) is a novel potent inhibitor of dihydroorotate dehydrogenase (**DHODH**), inhibits hypoxia-induced VEGFA protein production in HeLa cells with IC₅₀ of 1.64 nM.

PTC299 inhibited DHODH activity more potently than teriflunomide and with potency similar to that of brequinar.

PTC299 demonstrates broad and potent activity against hematological cancer cells in preclinical models, inhibits AML patient-derived cells with IC₅₀ of 2-60 nM.

PTC299 demonstrates advantages over previously reported DHODH inhibitors, including greater potency, good oral bioavailability and lack of off-target kinase inhibition and myelosuppression.

References

Cao L, et al. *Mol Cancer Ther.* 2018 Oct 23. pii: molcanther.0863.2018.

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

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