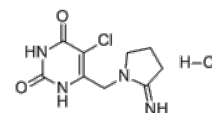


Product Name : Thymidine Phosphorylase inhibitor TPI
Cat. No. : PC-35966
CAS No. : 183204-72-0
Molecular Formula : C₉H₁₂Cl₂N₄O₂
Molecular Weight : 279.121
Target : Nucleoside Antimetabolite/Analog
Solubility :



Biological Activity

Thymidine Phosphorylase inhibitor TPI (hTP inhibitor TPI) is a potent, selective inhibitor of thymidine phosphorylase (TPase) with K_i of 17 nM, does not inhibit uridine phosphorylase, thymidine kinase, orotate phosphoribosyltransferase, or dihydropyrimidine dehydrogenase; oral administration of TPI significantly potentiated the antitumor activity of F(3)dThd on AZ-521 human stomach cancer xenografts in nude mice.

References

- Fukushima M, et al. *Biochem Pharmacol.* 2000 May 15;59(10):1227-36.
Sperotto N, et al. *J Med Chem.* 2019 Jan 7. doi: 10.1021/acs.jmedchem.8b01305.

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

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