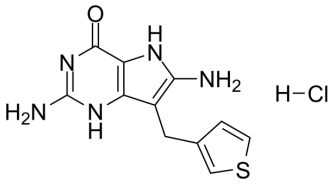
CI 972 anhydrous

Cat. No.:	HY-118047
CAS No.:	115787-68-3
Molecular Formula:	$C_{11}H_{12}ClN_5OS$
Molecular Weight:	297.76
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CI 972 anhydrous is a potent, orally active, and competitive inhibitor of purine nucleoside phosphorylase (PNP) (K_i=0.83 μM) under development as a T cell-selective immunosuppressive agent[1][2].
IC_{50} & Target	Ki: 0.83 μM (PNP)[1]
In Vivo	CI 972 anhydrous (5-150 mg/kg; p.o.) produces dose-dependent elevation of plasma inosine one hour after administration to rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gilbertsen RB, et al. Biochemical and pharmacological properties of CI-972, a novel 9-deazaguanine analog purine nucleoside phosphorylase (PNP) inhibitor. Adv Exp Med Biol. 1991;309A:41-4.

[2]. Gilbertsen RB,et al. Selective in vitro inhibition of human MOLT-4 T lymphoblasts by the novel purine nucleoside phosphorylase inhibitor, CI-972. Biochem Biophys Res Commun. 1991 Aug 15;178(3):1351-8.

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