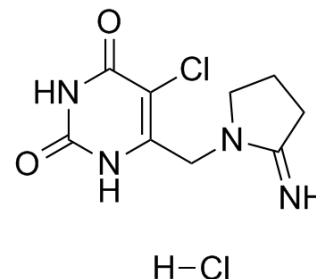


Tipiracil hydrochloride

Cat. No.:	HY-A0063		
CAS No.:	183204-72-0		
Molecular Formula:	C ₉ H ₁₂ Cl ₂ N ₄ O ₂		
Molecular Weight:	279.12		
Target:	Nucleoside Antimetabolite/Analog		
Pathway:	Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (179.13 mM; Need ultrasonic)
 DMSO : < 1 mg/mL (insoluble or slightly soluble)
 DMF : < 1 mg/mL (insoluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5827 mL	17.9134 mL	35.8269 mL
	5 mM	0.7165 mL	3.5827 mL	7.1654 mL
	10 mM	0.3583 mL	1.7913 mL	3.5827 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Tipiracil (hydrochloride) is a thymidine phosphorylase inhibitor (TPI), used for cancer research.

In Vitro

Tipiracil has antiangiogenic effect, and inhibits proliferation of endothelial cells^[1]. Tipiracil is a potent inhibitor of thymidine phosphorylase, which is the enzyme that degrades FTD^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Mod Rheumatol. 2018 May;28(3):495-505.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Peters GJ, et al. TAS-102: more than an antimetabolite. *Lancet Oncol.* 2012 Dec;13(12):e518-9.

[2]. Yoshino T, et al. TAS-102 monotherapy for pretreated metastatic colorectal cancer: a double-blind, randomised, placebo-controlled phase 2 trial. *Lancet Oncol.* 2012 Oct;13(10):993-1001.

Caution: Product has not been fully validated for medical applications. For research use only.

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