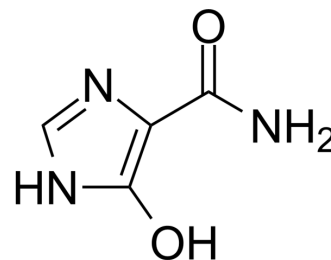


Bredinin aglycone

Cat. No.:	HY-106048		
CAS No.:	56973-26-3		
Molecular Formula:	C ₄ H ₅ N ₃ O ₂		
Molecular Weight:	127.1		
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 : 2 mg/mL (15.74 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	7.8678 mL	39.3391 mL	78.6782 mL
5 mM	1.5736 mL	7.8678 mL	15.7356 mL
10 mM	0.7868 mL	3.9339 mL	7.8678 mL

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

BIOLOGICAL ACTIVITY

Description

Bredinin aglycone (5-Hydroxy-1H-imidazole-4-carboxamide) is a purine nucleotide analogue. Bredinin aglycone can be used to examine the efficiency of catalysts for the preparation of purine nucleotide analogues^[1].

REFERENCES

[1]. Scism RA, et al. Synthesis of nucleotide analogues by a promiscuous phosphoribosyltransferase. *Org Lett.* 2007 Oct 11;9(21):4179-82. Epub 2007 Sep 14.

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

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