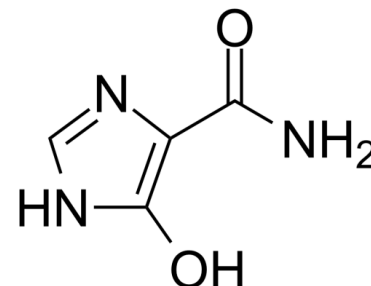


## Data Sheet

<b>Product Name:</b>	Bredinin aglycone
<b>Cat. No.:</b>	CS-0024727
<b>CAS No.:</b>	56973-26-3
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	127.10
<b>Target:</b>	Nucleoside Antimetabolite/Analog
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Solubility:</b>	H <sub>2</sub> O : 2 mg/mL (15.74 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

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<sup>[1]</sup>.

### 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.

### CAIndexNames:

1H-Imidazole-4-carboxamide, 5-hydroxy-

### SMILES:

NC(C1=C(NC=N1)O)=O

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

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