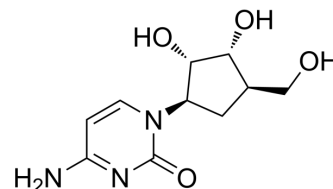


## Carbodine

Cat. No.:	HY-128718
CAS No.:	71184-20-8
Molecular Formula:	C <sub>10</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	241.24
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Carbodine (Carbocyclic cytidine) is a broad-spectrum antiviral agent active against DNA viruses, (+)RNA viruses, (-)RNA viruses, paramyxo, rhabdo and (+/-)RNA viruses, targets CTP synthetase that converts UTP to CTP. Carbodine (Carbocyclic cytidine) possesses significant antiviral activity against influenza virus types A0/PR-8/34 and A2/Aichi/2/68 in vitro<sup>[1][2]</sup>.

### REFERENCES

[1]. De Clercq E, et al. Broad-spectrum antiviral activity of carbodine, the carbocyclic analogue of cytidine. *Biochem Pharmacol.* 1990 Jan 15;39(2):319-25.

[2]. Shannon WM, et al. Evaluation of carbodine, the carbocyclic analog of cytidine, and related carbocyclic analogs of pyrimidine nucleosides for antiviral activity against human influenza Type A viruses. *Antimicrob Agents Chemother.* 1981 Dec;20(6):769-76.

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

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