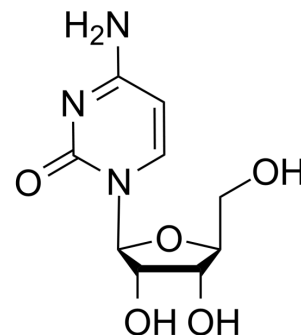


## L-Cytidine

Cat. No.:	HY-148165
CAS No.:	26524-60-7
Molecular Formula:	C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	243.22
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

L-Cytidine is an L-configurational form of [Cytidine](#) (HY-B0158). L-Cytidine is a pyrimidine nucleoside, a component of RNA. [Cytidine](#) can control the glial glutamate cycle, affect brain phospholipid metabolism, catecholamine synthesis and mitochondrial function<sup>[1][2]</sup>.

### REFERENCES

[1]. Liu C, et, al. Study on the stereoselective binding of cytosine nucleoside enantiomers to human serum albumin. Spectrochim Acta A Mol Biomol Spectrosc. 2020 Jan 5;224:117452.

[2]. Breslow R, et, al. On the origin of terrestrial homochirality for nucleosides and amino acids. Proc Natl Acad Sci U S A. 2009 Jun 9;106(23):9144-6.

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

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