

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Nebularine

Product overview

Name	Nebularine
Cat No	HB3992
Purity	>98%
Description	Naturally occurring nucleoside. DNA, RNA and protein synthesis inhibitor.

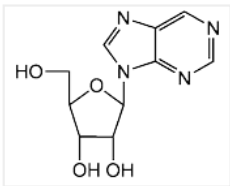
Biological Data

Biological description	Nucleoside analog. Cytotoxic. DNA, RNA and protein synthesis inhibitor. Shows anticancer activity. Anti-mycobacterial. Has tuberculostatic activity. Antifungal activity. Antiviral (anti-Herpes). Adenosine deaminase inhibitor. Can be used to analyze structure determinants of DNA that are recognized by DNA repair enzymes, to locate triple helices at G-C sequences or as an universal base, which can bind to all four of the nucleosides of DNA.
-------------------------------	--

Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	252.2
Chemical structure	 The chemical structure of Nebularine is shown, consisting of a pyrimidine ring system attached to a ribose sugar moiety. The pyrimidine ring has nitrogen atoms at positions 1 and 3, and a carbonyl group at position 2. The ribose sugar is attached at position 4 of the pyrimidine ring. The ribose sugar has hydroxyl groups at positions 2 and 3, and a hydroxymethyl group at position 4.
CAS Number	550-33-4
PubChem identifier	0
SMILES	<chem>OC[C@H]1O[C@H]([C@H](O)[C@@H]1O)n2cnc3cncnc23</chem>
InChIKey	MRWXACSTFXYYMV-UHFFFAOYSA-N
Appearance	White to off-white solid