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 occuring 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
Storage of solutions

+4°C

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions Important** 

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 Chemical structure 252.2 HO N N N

CAS Number PubChem identifier SMILES

InChiKey Appearance 550-33-4

OC[C@H]1O[C@H]([C@H](O)[C@@H]1O)n2cnc3cncnc23

MRWXACSTFXYYMV-UHFFFAOYSA-N

White to off-white solid