1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( \text{C}_{11}\text{H}_{15}\text{N}_{5}\text{O}_{5} \)
   Batch Molecular Weight: 297.27
   Physical Appearance: White solid
   Solubility: DMSO to 100 mM
   water to 10 mM with gentle warming
   Storage: Store at +4°C

2. ANALYTICAL DATA

   HPLC: Shows 98.8% purity
   \(^1\text{H NMR:}\) Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis: Carbon Hydrogen Nitrogen

   Theoretical 44.44 5.09 23.56
   Found 44.37 5.1 23.64

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
**Product Name:** Nelarabine  
**Catalog No.:** 6359  
**Batch No.:** 1

**CAS Number:** 121032-29-9  
**IUPAC Name:** 9-β-D-Arabinofuranosyl-6-methoxy-9H-purin-2-amine

**Description:**

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C11H15N2O6
- **Batch Molecular Weight:** 297.27  
- **Physical Appearance:** White solid  
- **Minimum Purity:** >98%

**Batch Molecular Structure:**

![Molecular Structure](image)

**Storage:** Store at +4°C

**Solubility & Usage Info:**
- DMSO to 100 mM  
- Water to 10 mM with gentle warming

**Stability and Solubility Advice:**
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**