

# Certificate of Analysis

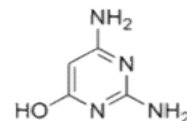


## Product Identification

Catalog number HB0070  
Compound name 2,4-Diamino-6-hydroxypyrimidine  
Chemical name 2,6-diaminopyrimidin-4-ol

Batch number E2127-1-1  
Batch molecular formula  $C_4H_6N_4O \cdot 0.1H_2O$   
Batch molecular weight 127.92

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	$^1H$ NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in DMSO (100 mM) and in water (50 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

02/12/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.