



CERTIFICATE OF ANALYSIS

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1. Identification

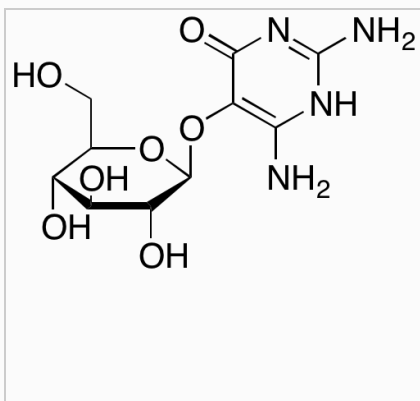
Catalogue Number: V250005

CAS Number: 152-93-2

Product: Vicine

Synonym: 2,6-Diamino-5-(β -D-glucopyranosyloxy)-4(1H)-pyrimidinone; Divicine β -D-glucopyranoside; NSC 95092; Vicioside;

Structure:



Molecular Formula:

$C_{10}H_{16}N_4O_7$

Molecular weight:

304.26

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
DMSO (Slightly), Methanol
(Slightly, Heated, Sonicated)

Lot Number: 1-CAL-9-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	Off-White to Pale Beige Solid
Elemental Analysis	Conforms	%C: 37.33, %H: 5.43, %N: 17.24
HPLC Purity	Report Result	97.22% (220 nm)
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-21.1° (c = 0.2, 0.1N NaOH)
Water Content	Report Result	~4.2% based on Elemental Analysis

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	6/10/2022	6/8/2026