



## CERTIFICATE OF ANALYSIS

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### 1. Identification

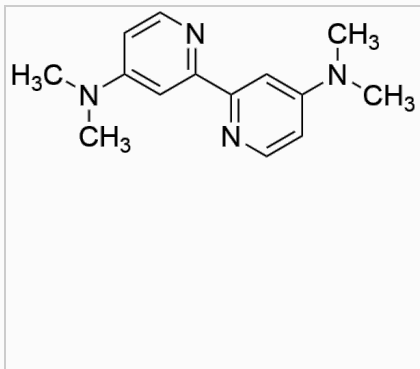
**Catalogue Number:** B015941

**CAS Number:** 85698-56-2

**Product:** 4,4'-Bis(N,N-dimethylamino)-2,2'-bipyridine (>90%)

**Synonym:** 2-[4-(Dimethylamino)pyridin-2-yl]-N,N-dimethylpyridin-4-amine; 4,4'-Bis(dimethylamino)-2,2'-bipyridine

**Structure:**



**Molecular Formula:**

C<sub>14</sub>H<sub>18</sub>N<sub>4</sub>

**Molecular weight:**

242.32

**Source of Product:**

N/A

**Solubility:**

Chloroform (Slightly),  
Methanol (Slightly)

**Lot Number:** 21-ZEA-166-2

**Purity:** >90%

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

**Storage Condition:** -20°C, Inert atmosphere

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 63.38, %H: 6.87, %N: 20.71
Appearance	Pale Yellow to Light Yellow Solid	Pale Yellow Solid
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
Water Content	Report Result	1.8% by Karl Fischer
HPLC Purity	Report Result	99.62% (260 nm)

**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
Evan Burns	Toni Rantanen	Chanell Chu	10/4/2021	10/2/2025
				