

**MP Biomedicals, LLC**29525 Fountain Parkway  
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## Certificate of Analysis

**Product Description:** 2'-Deoxyadenosine Monohydrate, cell culture reagent  
**Catalog Number:** 194654  
**Lot:** Q5793

**Formula:**  $C_{10}H_{13}N_5O_3 \cdot H_2O$   
**CAS #:** 16373-93-6  
**Physical Description:** White Powder

**Formula Weight:** 269.2  
**Storage:** -20°C

| Test                          | Specification        | Result               |
|-------------------------------|----------------------|----------------------|
| Identity Test                 | Passes               | Passes               |
| Purity                        | ≥98%                 | 99.6% (HPLC)         |
| FTIR                          | Conforms to Standard | Conforms to Standard |
| Melting Point                 | 186 - 196°C          | 193°C                |
| UV/Vis: $\lambda$ max (water) | 259 ± 2 nm           | 260 nm               |
| OD250/OD260                   | 0.70 - 0.85          | 0.78                 |
| OD280/OD260                   | 0.10 - 0.16          | 0.15                 |

Solubility (50 mg/ml water, 60°C): Clear, Colorless Solution

Alpha Anomer: None Detected

UV Content (dry basis): 100%

Water Content (KF): 7.2%

Recommended Retest Date: 12/31/2019

A handwritten signature in black ink, appearing to read 'J Huang'.

01/09/2017 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

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