

## Certificate of Analysis

Date of Testing: 2025-07-09 16:09:20

Date of Next Testing: 2029-07-08 16:09:20

Product Name: **Fludarabine**

CAS Number: 21679-14-1

Specifications & Purity: Moligand™, ≥98%

Lot #: F2526095

SKU #: **F122998**

Version: **0**

Analysis #: **092543**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                                    | Limit Values                                          | Result                                                |
|------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Purity(HPLC)                                                                 | 98-100 (%)                                            | 99.87900 %                                            |
| Nitrogen by Elemental Analysis (anhydrous)                                   | 24.05-25.05 (%)                                       | 24.22 %                                               |
| Carbon by Elemental Analysis(anhydrous)                                      | 41.61-42.61 (%)                                       | 41.97 %                                               |
| Specific Rotation [α] <sub>20/D</sub> (0.90 - 1.10 mg/ml in 10% DMF in EtOH) | 15-19 (°)                                             | 17.71 °                                               |
| Appearance (F122998)                                                         | White or light yellow powder                          | White or light yellow powder                          |
| Proton NMR spectrum                                                          | Conforms to Structure                                 | Conforms to Structure                                 |
| Solubility in Heating DMF                                                    | Colorless to Light Yellow<br>Clear, 19.60-20.40 mg/ml | Colorless to Light Yellow<br>Clear, 19.60-20.40 mg/ml |



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