



### Certificate of Analysis

Arranon

Brand Name :Biochempartner

M.Wt: 297.27

Formula: C<sub>11</sub>H<sub>15</sub>N<sub>5</sub>O<sub>5</sub>

Solubility: DMSO

Storage: at -20°C 2 years

CAS No.: 121032-29-9

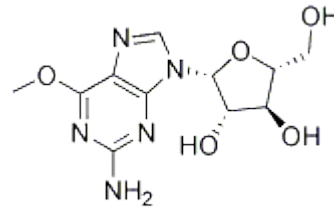
Batch NO: 20120815

Mft. Date: 2012-08-11

Expiry Date:2014-08-10

Quantity: 1000g

Analysis Time:2012-08-15



Item	Specification	Results
Description	White or off-white crystalline powder	Complies
Identification	IR corresponds to that of reference standard	Complies
	RT corresponds to that of reference standard of the reference standard	
Chloride(%)	≤0.1	Complies
Individual Impurities(%)	≤0.1	0.06
Total Impurities(%)		
9-α-D-Arabinofuranosyl-6-methoxy-9H-purin-2-amine	≤0.5	0.13
Optical Rotation	[α] <sub>D20</sub> +55.5 ~ +65.5° (c = 0.27 in DMF)	61.5
Endotoxin	<0.26EU	Complies
Heavy metals	≤10ppm	Complies
Loss on drying(%)	≤0.5	0.014
Clarity	≤1.0	Complies
Color of Solution	≤3(Y)	Complies
Residue on ignition(%)	≤0.1	0.054
PH	6.0~7.0 (0.2g/40mL in H <sub>2</sub> O)	6.50
Assay on the dried basis(%)	98.0~102.0	99.8

Conclusion: Complies with In-house standard.

QA manager :kexianxun

Note: Products protected by valid patents are not offered for sale in countries where the sale of such products constitutes a patent infringement and its liability is at buyer's risk. This item is only for R&D purpose not for commercial business in kilos. Buyers should overview the patent issue in their countries.