

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4241	
Compound name	MRS 2179 ammonium salt	
Chemical name	2'-Deoxy-N6-methyladenosine 3',5'-bisphosphate ammonium salt	
Batch number	E1898-7-10	
Batch molecular formula	C ₁₁ H ₁₇ N ₅ O ₉ P ₂ ·3NH ₃ ·1.6H ₂ O	
Batch molecular weight	505.15	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	1H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 6:3:1 IPA:H ₂ O:NH ₄ OH shows one spot under uv	Meets specification: R _f =0.6
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

12/12/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.