



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-230929
Lot Number: SAMPLE
Product Name: 2,4-Diamino-6,7-diisopropylpteridine phosphate salt
CAS Number: 84176-65-8
Molecular Formula: $C_{12}H_{18}N_6 \cdot H_3PO_4$
Molecular Weight: 344.31

Test	Specification	Result
Appearance (Color)	Off-white, white, white w/a yellow cast	White ft yellow cast
Appearance (Form)	Powder	Powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (TLC) (1)	$\geq 98 \%$	99.00 %
Purity (TLC) (2)	$\geq 98 \%$	99.00 %
Melting Point	235 - 240 °C	236 - 238 °C
Solubility	9.8 - 10.2 mg/ml water with heat	10.00 mg/ml water with heat
Solution (Clarity)	Clear	Clear
Solution (Color)	Yellow-green, light yellow-green, yellow	Yellow
Carbon	41.36 - 42.36 %	41.71 %
Nitrogen	23.91 - 24.91 %	24.56 %
Water Content (KF)		0.08 %

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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