



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-397502
Lot Number: SAMPLE
Product Name: Acetoacetyl Coenzyme A Sodium Salt Hydrate
CAS Number: **1420-36-6**
Molecular Formula: $C_{25}H_{40}N_7O_{18}P_3S \cdot xH_2O \cdot xNa$
Molecular Weight: 851.61
Native Source: Synthetic

Test	Specification	Result
Appearance	White to off-white solid	Off-white solid
Identification (NMR)	Consistent with structure	Complies
Identification (31P-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity		> 90%
Purity (HPLC)		91.03% (260 nm)
Specific Rotation		0.0° (c = 0.2, Methanol)
Carbon Content	32.72% (anhydrous trisodium salt)	31.13%
Hydrogen Content	4.06% (anhydrous trisodium salt)	3.84%
Nitrogen Content	10.69% (anhydrous trisodium salt)	10.14%
Sodium (ICP)		5.9%
Water Content (KF)		2.7%

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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