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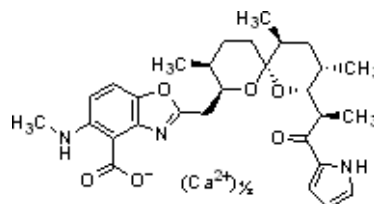
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Product Specification

Product Name:
Calcium Ionophore A23187 hemicalcium salt - powder

Product Number: **C9275**
CAS Number: 59450-89-4
Formula: C₂₉H₃₆Ca_{0.5}N₃O₆
Formula Weight: 542.65 AMU



TEST

Specification

Appearance (Form)	Powder
Appearance (Colour)	White to Yellow
Solubility (Solvent)	Acetone
Solubility (Conc)	9.80 - 10.20 mg/ml
Solubility (Turbidity)	Clear to Slightly Hazy
Solubility (Color)	Colorless to Yellow
Purity (TLC)	≥ 98.00 %
Elemental Anal. (%C anhydrous)	63.57 - 64.57 %
Elemental Anal. (%N anhydrous)	7.23 - 8.23 %
NMR (Solvent)	DMSO-d ₆
Identity by NMR	Consistent
NMR (Residual Solvent 1)	Acetone
NMR (% Solvent 1)	≤ 5.00 %
NMR (Residual Solvent 2)	Ethylacetate
NMR (% Solvent 2)	≤ 5.00 %
NMR (Residual Solvent 3)	Ethanol
NMR (% Solvent 3)	≤ 5.00 %
NMR (Total % Resid.Solvents)	≤ 5.00 %
Element Detection (Element)	Calcium
Element Detection (Method)	ICP
Elem.Det.(% Observed)	2.50 - 4.50 %
Recommended Retest Period	-----
5 Years	

Specification: PRE.0.ZQ5.10000001558

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.