

Chem-Impex International, Inc.

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Certificate of Analysis

Catalog Number	04077
Product Name	H-3-Ala(3-benzothieryl)-OH
Lot Number	0537098
CAS Registry Number	72120-71-9
Molecular Formula	C ₁₁ H ₁₁ NO ₂ S
Molecular Weight	221.3
Appearance	White powder
Solubility	Clear, colorless solution (25mg/ml in 80% AcOH)
Optical Specific Rotation (α^24_D)	-27.9° (1% in Acetic Acid 90%)
CHN-Analysis	
Elemental Analysis (Theory)	C 59.71%, H 5.01%, N 6.33%
Elemental Analysis (Found)	C 59.62%, H 5.17%, N 6.26%
Assay (TLC)	Purity by TLC >99%
Chloroform/Methanol/Acetic acid/H₂O 70/42/0.5/10 (v/v/v/v)	Detected by UV, Ninhydrin, chlorine-tolidine.
Chloroform/Methanol/Acetic acid 32% 5/3/1 (v/v/v)	
Ethyl acetate/Pyridine/Acetic acid /H₂O 60/30/9/16.5 (v/v/v/v)	
Plate Silicagel 60 F₂₅₄	
D-Enantiomer	0.3%
Storage	Store at RT.
Remarks	See material safety data sheets for additional information. For laboratory use only.

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Sashi Kumar', written in a cursive style with a long horizontal stroke extending to the left.

Sashi Kumar
Quality Control Manager