

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB5035	
Compound name	Biocytin	
Chemical name	N6-[5-[(3aS,4S,6aR)-Hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]-L-lysine	
Batch number	E1984-1-1	
Batch molecular formula	C ₁₆ H ₂₈ N ₄ O ₄ S.0.5H ₂ O	
Batch molecular weight	381.49	
Method	QC requirement	QC Result
NMR	1H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 50% PAW/BuOH shows one spot under ninhydrin	Meets specification: R _f =0.15
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (50 mM with warming)	Meets specification

Produced by

Signature

Passed by

Signature

Date

24-05-22

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