

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB8782	
Compound name	Lac-Phe	
Chemical name	(2S)-2-[(2S)-2-hydroxypropanamido]-3-phenylpropanoic acid	
Batch number	E2036-5-1	
Batch molecular formula	C ₁₂ H ₁₅ NO ₄	
Batch molecular weight	237.25	
Method	QC requirement	QC Result
NMR	¹ H NMR in MeOD at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.6
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (50 mM), and in DMSO (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

07/09/2022

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