

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB7279	
Compound name	d5-Lac-Phe	
Chemical name	(2S)-2-[(2S)-2-hydroxypropanamido]-3-(2H5)-d5-phenylpropanoic acid	
Batch number	E0235-3-1	
Batch molecular formula	C ₁₂ H ₁₀ D ₅ NO ₄	
Batch molecular weight	242.22	
Batch number	E0235-3-1	
Batch molecular formula	C ₁₂ H ₁₀ D ₅ NO ₄	
Batch molecular weight	242.22	
Method	QC requirement	QC Result
NMR	1H 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

08/09/2022

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