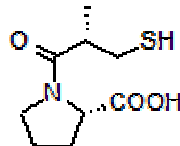


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB3636	
Compound name	Captopril	
Chemical name	1-[(2S)-3-Mercapto-2-methyl-1-oxopropyl]-L-proline	
Batch number	E1355-1-1	
Batch molecular formula	C ₂₀ H ₁₅ NO ₃ S	
Batch molecular weight	217.28	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in D ₂ O 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 50% PAW/BuOH shows one spot under KMnO ₄	Meets specification: R _f =0.8
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM) and in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

30/06/2020

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