

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4009	
Compound name	Orlistat	
Chemical name	N-Formyl-L-leucine (1S)-1-[[[(2S,3S)-3-hexyl-4-oxo-2-oxetanylmethyl]dodecyl ester	
Batch number	E1351-1-1	
Batch molecular formula	C <sub>29</sub> H <sub>53</sub> NO <sub>5</sub>	
Batch molecular weight	495.73	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
Optical rotation	Specific rotation in 6M HCl measured between -33° and -36°	Meets specification: [α] <sub>D</sub> = -34.5° (c=1, CHCl <sub>3</sub> )
TLC	TLC analysis in shows one spot	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

09-06-20

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