

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4674	
Compound name	(+)-Abscisic acid	
Chemical name	(S)-5-(1-Hydroxy-2,6,6-trimethyl-4-oxo-2-cyclohexen-1-yl)-3-methyl-(2Z,4E)-pentadienoic acid	
Batch number	E1680-1-1	
Batch molecular formula	C <sub>15</sub> H <sub>20</sub> O <sub>4</sub>	
Batch molecular weight	264.32	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.5%
NMR	<sup>1</sup> H NMR consistent with structure	Meets specification
Optical rotation	Specific rotation in ethanol measured between +400° and +450°	Meets specification: [α] <sub>D</sub> = +414.0° (c=1, EtOH)
TLC	TLC analysis shows one spot under XXX	Meets specification
Physical appearance	Off-white to pale yellow solid	Meets specification
Solubility	Soluble in DMSO (100mM) and ethanol (100mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

14-10-21

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