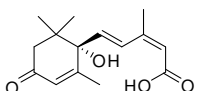




Certificate of Analysis

Axon Catalogue ID: 3755 **Batch Number:** 1
Product Name: (+)-Abscisic acid
Alternative Name(s): ABA
IUPAC Name: (2Z,4E)-5-((S)-1-Hydroxy-2,6,6-trimethyl-4-oxocyclohex-2-enyl)-3-methylpenta-2,4-dienoic acid

Structure:



Amount:

CAS number(s): 21293-29-8
Molecular Formula: C₁₅H₂₀O₄ **Molecular Weight:** 264.32
Batch Molecular Formula: C₁₅H₂₀O₄ **Batch Molecular Weight:** 264.32
Appearance: White solid **Observed mp:** 163.0 - 164.5 °C
TLC (R_f): 0.3 DCM/MeOH (20:1)
Chemical Purity: 99.8%
Optical Purity (ee): Optically pure
Optical Rotation (Det.): [α]_D = +549.8° with c = 0.5 in EtOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 68.16, H 7.63, N 0.00; Found: C 68.11, H 7.66, N <0.10
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	21.0	79.5	
	0.1N HCl (aq)			Not Tested
	DMSO	26.4	>100 mM	
	EtOH	26.4	>100 mM	

Remarks:

QC Date: 16-2-2023

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only