

Product Information

Abscisic acid, Purity $\geq 98\%$

Cat. No.: X24-09-YM1288

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD00066545

CAS Number: 21293-29-8

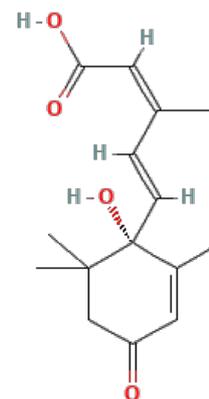
Compound CID: 5280896

Synonym: 21293-29-8; Abscisin II; Dormin;

(2Z,4E)-5-[(1S

)-1-Hydroxy-2,6,6-trimethyl-4-oxocyclohex-2-en-1-yl]-3-methylpenta-2,4-dienoic acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Abscisic acid, soluble in DMSO and ethanol and insoluble in water, is a plant hormone. The molecular weight of the compound is 264.32, and its molecular formula is C ₁₅ H ₂₀ O ₄ .
Molecular Weight	264.32
Molecular Formula	C ₁₅ H ₂₀ O ₄
IUPAC Name	(2Z,4E)-5-[(1S)-1-Hydroxy-2,6,6-trimethyl-4-oxocyclohex-2-en-1-yl]-3-methylpenta-2,4-dienoic acid
InChI	InChI=1S/C15H20O4/c1-10(7-13(17)18)5-6-15(19)11(2)8-12(16)9-14(15,3)4/h5-8,19H,9H2,1-4H3,(H,17,18)/b6-5+,10-7-t15-/m1/s1
InChI Key	JLIDBLDQVAYHNE-YKALOCIXSA-N
Canonical SMILES	CC1=CC(=O)CC(C1(C=CC(=CC(=O)O)C)O)(C)C
Isomeric SMILES	C([C@@H]1[C@H]([C@@H]([C@H]([C@H](O1)OC[C@H]([C@H]([C@@H](C(CO)O)O)O)O)O)O)O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 48 mg/mL (181.6 mM); Water: insoluble; Ethanol: 48 mg/mL (181.6 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Abscisic acid can be used for its potential to modulate inflammation and metabolic responses.



Storage

Store at -20°C, and keep desiccated.
