

Product Information

Jasmonic acid, Purity ≥98%

Cat. No.: X24-09-YM1296

Size: 25 mg; 50 mg; 100 mg; 200 mg

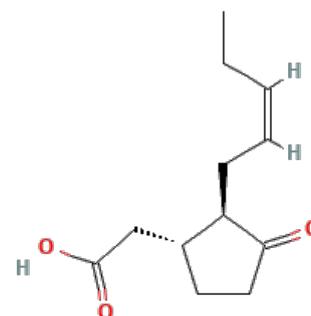
CAS Number: 6894-38-8

Compound CID: 5281166

Synonym: 6894-38-8; (-)-Jasmonic acid; JA;

2-[(1*R*,2*R*)-3-Oxo-2-[(*Z*)-pent-2-enyl]cyclopentyl]acetic acid

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



Product Information

Description	Jasmonic acid is derived from the fatty acid linolenic acid. The molecular weight of the compound is 210.27, and its molecular formula is C ₁₂ H ₁₈ O ₃ .
Molecular Weight	210.27
Molecular Formula	C ₁₂ H ₁₈ O ₃
IUPAC Name	2-[(1 <i>R</i> ,2 <i>R</i>)-3-Oxo-2-[(<i>Z</i>)-pent-2-enyl]cyclopentyl]acetic acid
InChI	InChI=1S/C12H18O3/c1-2-3-4-5-10-9(8-12(14)15)6-7-11(10)13/h3-4,9-10H,2,5-8H2,1H3,(H,14,15)/b4-3-/t9-,10-/m1/s1
InChI Key	ZNJFBWYDHIGLCU-HWKXXFMVSA-N
Canonical SMILES	CCC=CCC1C(CCC1=O)CC(=O)O
Isomeric SMILES	C[C@H]([C@@H](C(=O)N[C@@H](CO)C(=O)NCC(=O)N[C@@H](CC(C)C)C(=O)N[C@@H](CCC(=O)N)C(=O)N[C@@H](CCCCN)C(=O)N1CCC[C@H]1C(=O)N[C@@H](CCC(=O)O)C(=O)N[C@@H](CO)C(=O)N)NC(=O)[C@H](CCC(=O)N)NC(=O)[C@@H]2CCCN2C(=O)[C@H](CC(C)C)NC(=O)[C@H](CO)NC(=O)[C@H](CS)NC(=O)[C@H](CO)N)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Jasmonic acid can be used for its potential anti-inflammatory effects.



Storage

Store at -20°C, and keep desiccated.
