



Product Information

Morellic acid

Cat. No.: X22-05-ZQ269

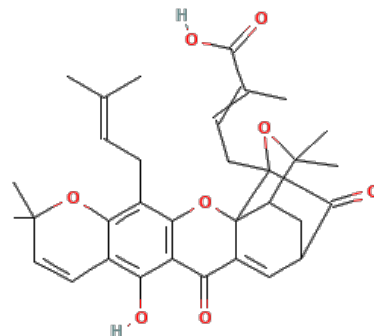
Size: 10 mg; 20 mg; 50 mg; 100 mg

CAS Number: 5304-71-2

Compound CID: 550587

Synonym: 5304-71-2; Morellic acid; Isomorellic acid; 4-[12-Hydroxy-8,8,21,21-tetramethyl-5-(3-methylbut-2-enyl)-14,18-dioxo-3,7,20-trioxahexacyclo[15.4.1.02,15.02,19.04,13.06,11]docosa-4(13),5,9,11,15-pentaen-19-yl]-2-methylbut-2-enoic acid

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



Product Information

Description	Morellic acid is a novel amide compound that has shown significant cytotoxicity against tumor cells in culture. It has been found to be effective against a number of different cancer cell lines, including prostate and breast cancer. Morellic acid is an inhibitor of DNA synthesis and RNA transcription, which prevents the production of protein and causes neuronal death. Morellic acid also has potent antitumor activity, with pharmacokinetic properties that are favorable for clinical use. This product can be used for content determination, identification, and pharmacological experiments, <i>etc.</i>
Molecular Weight	560.643
Molecular Formula	C ₃₃ H ₃₆ O ₈
IUPAC Name	4-[12-Hydroxy-8,8,21,21-tetramethyl-5-(3-methylbut-2-enyl)-14,18-dioxo-3,7,20-trioxahexacyclo[15.4.1.02,15.02,19.04,13.06,11]docosa-4(13),5,9,11,15-pentaen-19-yl]-2-methylbut-2-enoic acid
InChI	InChI=1S/C33H36O8/c1-16(2)8-9-20-26-19(11-12-30(4,5)39-26)24(34)23-25(35)21-14-18-15-22-31(6,7)41-32(28(18)36,13-10-17(3)29(37)38)33(21,22)40-27(20)23/h8,10-12,14,18,22,34H,9,13,15H2,1-7H3,(H,37,38)
InChI Key	COVMVPHACFXMAX-UHFFFAOYSA-N
Canonical SMILES	CC(=CCC1=C2C(=C(C3=C1OC45C6CC(C=C4C3=O)C(=O)C5(OC6(C)C)CC=C(C)C(=O)O)O)C=C(C(O2)(C)C)C
Form	Powder
Purity	≥98%, determined by HPLC.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Morellic acid can be used for content determination, identification, and pharmacological



experiments, *etc.*

Storage

Store at 4°C. Protect from light.

Safety Information

**Personal Protective
Equipment**

Gloves, eyeshields, N95 mask
