

## Product Information

### Ailanthone

**Cat. No.:** X22-05-ZQ534

**Size:** 20 mg; 50 mg; 100 mg

**CAS Number:** 981-15-7

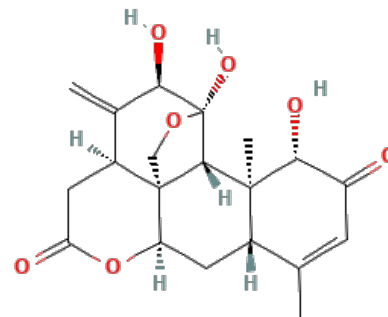
**Compound CID:** 72965

**Synonym:** 981-15-7; Ailanthone; Ailantone;

(1*S*,4*R*,5*R*,7*S*,11*R*,13*S*,17*S*,18*S*,19*R*

)-4,5,17-Trihydroxy-14,18-dimethyl-6-methylidene-3,10-dioxapentacyclo[9.8.0.0.1,7.0.4,

19.0.13,18]nonadec-14-ene-9,16-dione



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

### Product Information

<b>Description</b>	Ailanthone has anti-inflammatory, anti-HIV, anti-malarial, anti-allergic, antiulcer and antimicrobial activities. This product can be used in the research of anti-inflammatory, anti-HIV, anti-malarial, anti-allergic, anti-ulcer and antibacterial activities.
<b>Molecular Weight</b>	376.405
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>24</sub> O <sub>7</sub>
<b>IUPAC Name</b>	(1 <i>S</i> ,4 <i>R</i> ,5 <i>R</i> ,7 <i>S</i> ,11 <i>R</i> ,13 <i>S</i> ,17 <i>S</i> ,18 <i>S</i> ,19 <i>R</i> )-4,5,17-Trihydroxy-14,18-dimethyl-6-methylidene-3,10-dioxapentacyclo[9.8.0.0.1,7.0.4,19.0.13,18]nonadec-14-ene-9,16-dione
<b>InChI</b>	InChI=1S/C20H24O7/c1-8-4-12(21)16(24)18(3)10(8)5-13-19-7-26-20(25,17(18)19)15(23)9(2)11(19)6-14(22)27-13/h4,10-11,13,15-17,23-25H,2,5-7H2,1,3H3/t10-,11-,13+,15+,16+,17+,18+,19+,20-/m0/s1
<b>InChI Key</b>	WBBVXGHSWZIJST-RLQYZCPESA-N
<b>Canonical SMILES</b>	CC1=CC(=O)C(C2(C1CC3C45C2C(C(C(=C)C4CC(=O)O3)O)(OC5)O)C)O
<b>Isomeric SMILES</b>	CC1=CC(=O)[C@H]([C@]2([C@H]1C[C@@H]3[C@]45[C@@H]2[C@]([C@@H](C(=C)[C@@H]4)C(=O)O3)O)(OC5)O)C)O
<b>Form</b>	Off-white powder
<b>Purity</b>	≥98%, determined by HPLC.
<b>Identity</b>	Confirmed by MS and NMR.
<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Applications</b>	Ailanthone can be used in the research of anti-inflammatory, anti-HIV, anti-malarial, anti-allergic, anti-



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ulcer and antibacterial activities.

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**Storage**

Store at 4°C. Protect from light.

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**Safety Information**

**Personal Protective  
Equipment**

Gloves, eyeshields, N95 mask

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