

## Product Information

### Sinapaldehyde

**Cat. No.:** X23-04-XQ298

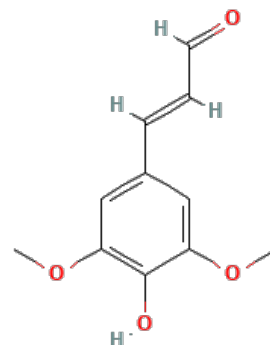
**Size:** 20 mg; 50 mg; 100 mg; 200 mg

**MDL:** MFCD00075980

**CAS Number:** 20649-43-8

**Compound CID:** 5280802

**Synonym:** 4206-58-0; Sinapaldehyde; Sinapinaldehyde; Sinapyl aldehyde; Sinapoyl aldehyde; (*E*)-3-(4-Hydroxy-3,5-dimethoxyphenyl)acrylaldehyde; Sinapic aldehyde; (*E*)-3-(4-Hydroxy-3,5-dimethoxyphenyl)-2-propenal



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

### Product Information

<b>Description</b>	Sinapaldehyde exhibits moderate antibacterial against Methicillin-resistant <i>S. aureus</i> (MRSA) and <i>E. coli</i> with MIC values of 128 and 128µg/mL.
<b>Molecular Weight</b>	208.2
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>12</sub> O <sub>4</sub>
<b>IUPAC Name</b>	( <i>E</i> )-3-(4-Hydroxy-3,5-dimethoxyphenyl)prop-2-enal
<b>InChI</b>	InChI=1S/C11H12O4/c1-14-9-6-8(4-3-5-12)7-10(15-2)11(9)13/h3-7,13H,1-2H3/b4-3+
<b>InChI Key</b>	CDICDSOGTRCHMG-ONEGZZNKSA-N
<b>Canonical SMILES</b>	COC1=CC(=CC(=C1O)OC)C=CC=O
<b>Isomeric SMILES</b>	COC1=CC(=CC(=C1O)OC)/C=C/C=O
<b>Form</b>	Powder
<b>Purity</b>	>98%, determined by HPLC.
<b>Identity</b>	Confirmed by NMR and MS.
<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Applications</b>	Sinapaldehyde can be used for antibacterial activity experiments, etc.
<b>Storage</b>	Store at 4°C. Protect from light.

### Safety Information



**Personal Protective  
Equipment**      Gloves, eyeshields, N95 mask

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