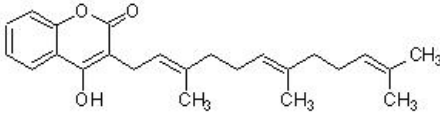


## Product datasheet

# Ferulenol, ATP synthesis inhibitor ab144253

1 Image

### Overview

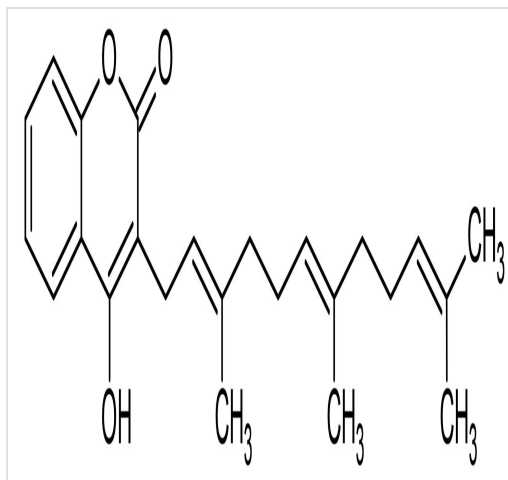
<b>Product name</b>	Ferulenol, ATP synthesis inhibitor
<b>Description</b>	ATP synthesis inhibitor. Potent antibiotic agent. Tubulin polymerisation stimulator.
<b>Biological description</b>	ATP synthesis inhibitor. Potent antibiotic agent. Tubulin polymerization stimulator. Selective succinate ubiquinone reductase inhibitor. Induces mPTP opening and disrupts mitochondrial membrane potential. Shows cytotoxic effects against cancer cell lines. Shows more potent anticoagulant activity than warfarin ( <a href="#">ab141979</a> ) <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	6805-34-1
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	4-Hydroxy-3-[(2 <i>E</i> ,6 <i>E</i> )-3,7,11-trimethyldodeca-2,6,10-trienyl]chromen-2-one
<b>Molecular weight</b>	366.49
<b>Molecular formula</b>	C <sub>24</sub> H <sub>30</sub> O <sub>3</sub>
<b>PubChem identifier</b>	54679300
<b>Storage instructions</b>	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
<b>Solubility overview</b>	Soluble in ethanol and in DMSO
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>CC(=CCC/C(=C/CC/C(=C/CC1=C(C2=CC=CC=C2OC1=O)O)/C)/C)C</chem>
<b>Source</b>	<i>Ferula communis</i>

## Images

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2D chemical structure image of ab144253, Ferulenol, ATP synthesis inhibitor

Chemical Structure - Ferulenol, ATP synthesis inhibitor (ab144253)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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- Response to your inquiry within 24 hours
  
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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