

Product datasheet

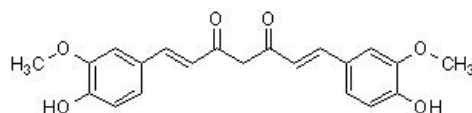
Curcumin (high purity), Lipoxygenase and COX inhibitor ab141921

1 References 1 Image

Overview

<b>Product name</b>	Curcumin (high purity), Lipoxygenase and COX inhibitor
<b>Description</b>	High purity. Lipoxygenase and COX inhibitor
<b>Biological description</b>	High purity flavonoid derivative. Potent antioxidant, anti-inflammatory, analgesic and anticancer agent. Lipoxygenase and cyclooxygenase inhibitor (IC <sub>50</sub> values are 8 and 52 μM, respectively). Shows diverse range of actions including free radical scavenging activity, cardio and neuroprotective effects. Blood brain barrier permeable. Active <i>in vitro</i> and <i>in vivo</i>
<b>Purity</b>	> 98%
<b>CAS Number</b>	458-37-7

Chemical structure

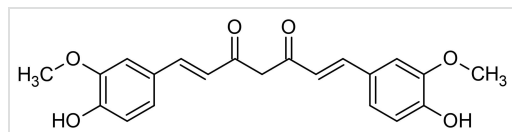


Properties

<b>Chemical name</b>	(1E,6E)-1,7-Bis(4-hydroxy-3-methoxyphenyl)-1,6-heptadiene-3,5-dione
<b>Molecular weight</b>	368.38
<b>Molecular formula</b>	C <sub>21</sub> H <sub>20</sub> O <sub>6</sub>
<b>PubChem identifier</b>	969516
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 10 mM and in ethanol to 10 mM
<b>Handling</b>	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.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	COC1=C(C=CC(=C1)C=CC(=O)CC(=O)C=CC2=CC(=C(C=C2)O)OC)O

## Images

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2D chemical structure image of ab141921, Curcumin (high purity),  
Lipoxigenase and COX inhibitor

Chemical Structure - Curcumin (high purity),  
Lipoxigenase and COX inhibitor (ab141921)

**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
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team