

Product datasheet

Kahweol, Diterpene molecule in coffee beans ab141258

1 Image

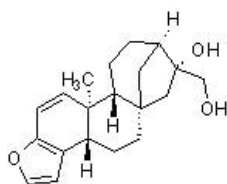
Overview

<b>Product name</b>	Kahweol, Diterpene molecule in coffee beans
<b>Description</b>	Diterpene molecule found in coffee beans.
<b>Biological description</b>	Diterpene molecule found in coffee beans. Increases glutathione S-transferase activity in the gut mucosa of mice and, with the diterpene cafestol, induces glutathione S-transferase expression in rat livers. Displays anti-inflammatory effects in RAW macrophages, inhibiting LPS-induced nitric oxide and prostaglandin E2 production. Antiangiogenic, blocking the proliferation of endothelial cells (IC50 = 50 µM) and inhibiting endothelial migration, invasion, and tube formation.

**Purity** > 97%

**CAS Number** 6894-43-5

**Chemical structure**



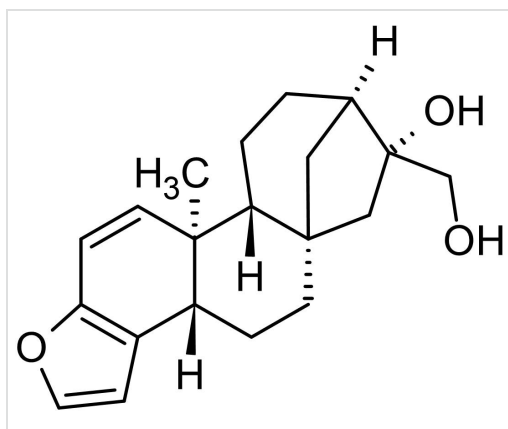
Properties

<b>Molecular weight</b>	314.42
<b>Molecular formula</b>	C <sub>20</sub> H <sub>26</sub> O <sub>3</sub>
<b>PubChem identifier</b>	114778
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble 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>C[C@@]12C=CC3=C([C@H]1CC[C@]45[C@H]2CC[C@H](C4)[C@](C5)(CO)O)C=CO3</chem>

Source

*Coffea arabica*

## Images



Chemical Structure - Kahweol, Diterpene molecule  
in coffee beans (ab141258)

2D chemical structure image of ab141258, Kahweol, Diterpene molecule in coffee beans

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

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