

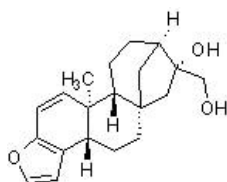
Product datasheet

Kahweol, Diterpene molecule in coffee beans ab141258

1 Image

Overview

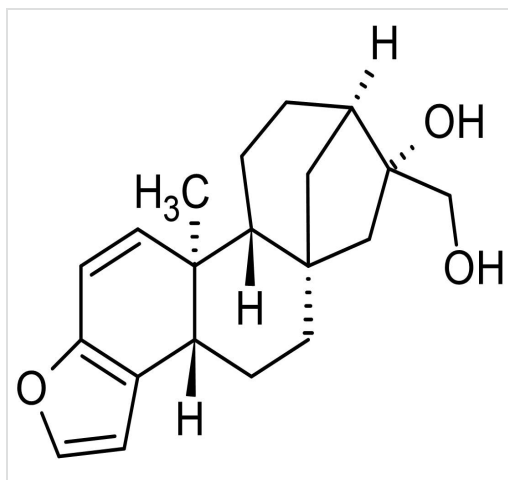
Product name	Kahweol, Diterpene molecule in coffee beans
Description	Diterpene molecule found in coffee beans.
Biological description	Diterpene molecule found in coffee beans. Increases glutathione S-transferase activity in the gut mucosa of mice and, with the diterpene cafestol, induces glutathione 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

Molecular weight	314.42
Molecular formula	C ₂₀ H ₂₆ O ₃
PubChem identifier	114778
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	<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 frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>C[C@@]12C=CC3=C([C@H]1CC[C@]45[C@H]2CC[C@H](C4)[C@](C5)(CO)O)C=CO3</chem>

Images



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

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

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