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# **DATASHEET**

Eupatilin

### **Product overview**

Name Eupatilin Cat No HB3894 >98% **Purity** 

Description Selective 5-lipoxygenase (5-LOX) inhibitor

## **Biological Data**

**Biological description** 

Selective inhibitor of 5-lipoxygenase. Apoptosis and cell cycle arrest inducer. Anticancer compound. Inhibits ERK1/2, JNK, and NF-kappaB activation and expression of Raf-1 and Ras. Anti-proliferative compound. Anti-inflammatory and immunosuppressive. Anti-apoptotic compound in hepatocytes. Antioxidant. Antidiabetic. Enhances hepatic and plasma glucose metabolism and increases insulin secretion in type 2 diabetic mice. Inhibits angiogenesis by blocking STAT3 and VEGF expression. Neuroprotective. PI3K Class I, MKK3/6 and MKK4 inhibitor.

## **Solubility & Handling**

Storage instructions

Important

+4°C

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### **Chemical Data**

**Chemical name** Molecular Weight **Chemical structure**  5,7-Dihydroxy-3',4',6-trimethoxyflavone

344.3

**CAS Number** 

**Appearance** 

**PubChem identifier** 

**SMILES** 

COc1ccc(cc1OC)C2=CC(=O)c3c(O)c(OC)c(O)cc3O2

22368-21-4

DRRWBCNQOKKKOL-UHFFFAOYSA-N **InChiKey** 

Pale yellow powder