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DATASHEET

Eupatilin

Product overview

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

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

+4°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important

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

22368-21-4

CAS Number PubChem identifier

SMILES InChiKey **Appearance** COc1ccc(cc1OC)C2=CC(=O)c3c(O)c(OC)c(O)cc3O2

DRRWBCNQOKKKOL-UHFFFAOYSA-N

Pale yellow powder