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## DATASHEET

Eupatilin

### Product overview

|                    |  |
|--------------------|--|
| <b>Name</b>        | Eupatilin                                  |
| <b>Cat No</b>      | HB3894                                     |
| <b>Purity</b>      | >98%                                       |
| <b>Description</b> | Selective 5-lipoxygenase (5-LOX) inhibitor |

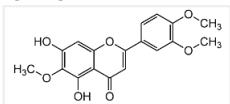
### Biological Data

|                               |  |
|-------------------------------|--|
| <b>Biological description</b> | 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

|                             |   |
|-----------------------------|---|
| <b>Storage instructions</b> | +4 °C   |
| <b>Important</b>            | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

### Chemical Data

|                           |   |
|---------------------------|---|
| <b>Chemical name</b>      | 5,7-Dihydroxy-3',4',6-trimethoxyflavone   |
| <b>Molecular Weight</b>   | 344.3   |
| <b>Chemical structure</b> |  |
| <b>CAS Number</b>         | 22368-21-4  |
| <b>PubChem identifier</b> | 0   |
| <b>SMILES</b>             | <chem>COc1ccc(cc1OC)C2=CC(=O)c3c(O)c(OC)c(O)cc3O2</chem>                            |
| <b>InChiKey</b>           | DRRWBCNQOKKKOL-UHFFFAOYSA-N   |
| <b>Appearance</b>         | Pale yellow powder  |