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DATASHEET

Quercetin Dihydrate

Product overview

Name Quercetin Dihydrate

Cat No HB0543 Biological action Inhibitor Purity >95%

Description Broad enzyme inhibitor

Biological Data

Biological description Broad enzyme inhibitor. Dihydrate form of Quercetin. Inhibits many enzymes such as tyrosine protein

kinase, phosphodiesterase and phospholipase A2. Inhibits L-type voltage-gated calcium channel inward currents and increases voltage-gated K^+ channel currents. Shows many actions such as antioxidant, neuroprotective, antidepressant, anxiolytic, antitumor, antiasthma and vasodilator actions.

Solubility & Handling

Storage instructions Solubility overview

Important

Room temperature

Soluble in DMSO (68mg/ml, at 25 °C) or Acetic acid (1mg/ml)

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 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-4H-1-benzopyran-4-one dihydrate;

3,3',4',5,7-Pentahydroxyflavone dihydrate 338.27

Molecular Weight

Chemical structure

SMILES C1=CC(=C(C=C1C2=C(C(=0)C3=C(C=C(C=C3O2)O)O)O)O)O.O.O