

7-Ethoxy-4-Methylcoumarin

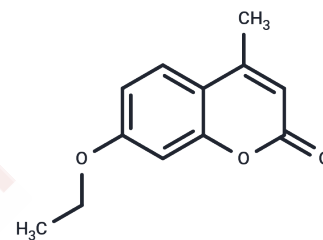
Chemical Properties

CAS No. : 87-05-8

Formula: C₁₂H₁₂O₃

Molecular Weight: 204.22

Storage: Store under nitrogen, Store at low temperature
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	7-Ethoxy-4-Methylcoumarin is considered an inhibitor of enzymes in cells and has been used in studies of enzyme inhibition and has been used to study the effects of various drugs on the human body.
Targets(IC50)	Others, Cytochromes P450

Solubility Information

Solubility DMSO: 25 mg/mL (122.42 mM), Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8967 mL	24.4834 mL	48.9668 mL
5 mM	0.9793 mL	4.8967 mL	9.7934 mL
10 mM	0.4897 mL	2.4483 mL	4.8967 mL
50 mM	0.0979 mL	0.4897 mL	0.9793 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Krzysztof Zamojć, Wiesław Wiczak, Bartłomiej Zaborowski, et al. Analysis of Fluorescence Quenching of Coumarin Derivatives by 4-Hydroxy-TEMPO in Aqueous Solution[J]. Journal of Fluorescence, 2013, 24(3):713.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481