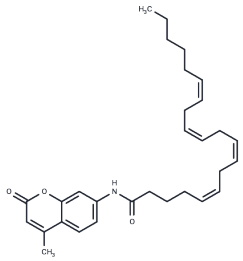
Data Sheet (Cat.No.T84550)

TargetMol

AMC Arachidonoyl Amide

Chemical Properties



CAS No. : 862913-13-1

Formula: C30H39NO3

Molecular Weight: 461.6

Storage: 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	Arachidonoyl amide (AMC-AA) is a fatty acid amide among several that serve to quantify fatty acid amide hydrolase (FAAH) activity. FAAH, with its relative lack of selectivity, processes various amide head groups beyond ethanolamine, the head group of its primary endogenous substrate, anandamide (AEA). The interaction of AMC-AA with FAAH leads to the liberation of fluorescent aminomethyl coumarin, which has an absorption peak at 360 nm and emission at 465 nm. This fluorescence release facilitates the rapid and efficient assessment of FAAH activity through the utilization of either a standard cuvette or a microplate fluorometer.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1664 mL	10.8319 mL	21.6638 mL
5 mM	0.4333 mL	2.1664 mL	4.3328 mL
10 mM	0.2166 mL	1.0832 mL	2.1664 mL
50 mM	0.0433 mL	0.2166 mL	0.4333 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.

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