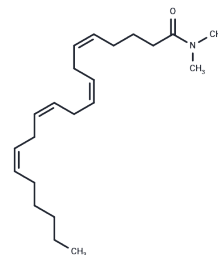


Arachidonoyl-N,N-dimethyl amide

Chemical Properties

CAS No. :	45280-17-9
Formula:	C22H37NO
Molecular Weight:	331.54
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-N,N-dimethyl amide (Arachidonic acid-N,N-dimethyl amide) is an endogenous cannabinoid that interacts with central cannabinoid (CB1) and peripheral cannabinoid (CB2) receptors. Its biological activity is terminated through cellular uptake and hydrolysis of the amide bond by fatty acid amide hydrolase. As an analog of arachidonoyl amide, it binds weakly or not at all to human central cannabinoid (CB1) receptors ($K_i > 1 \mu\text{M}$). At a concentration of 50 μM , it can fully inhibit gap junction intercellular communication in rat glial cells.
Targets(IC50)	Cannabinoid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0162 mL	15.0811 mL	30.1623 mL
5 mM	0.6032 mL	3.0162 mL	6.0325 mL
10 mM	0.3016 mL	1.5081 mL	3.0162 mL
50 mM	0.0603 mL	0.3016 mL	0.6032 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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