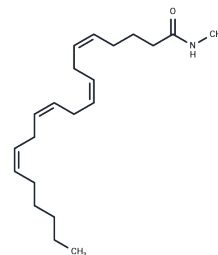


Arachidonoyl-N-methyl amide

Chemical Properties

CAS No. :	156910-29-1
Formula:	C ₂₁ H ₃₅ NO
Molecular Weight:	317.5
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	Anandamide (AEA), an endogenous cannabinoid, interacts with both central (CB1) and peripheral (CB2) cannabinoid receptors. Its effects are concluded through the cellular uptake and enzymatic breakdown of its amide bond by fatty acid amide hydrolase. Arachidonoyl-N-methyl amide, an analog of anandamide, specifically targets the human CB1 receptor, displaying a binding affinity with a K_i of 60 nM. It completely inhibits rat glial gap junction intercellular communication at a concentration of 50 μ M.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1496 mL	15.748 mL	31.4961 mL
5 mM	0.6299 mL	3.1496 mL	6.2992 mL
10 mM	0.315 mL	1.5748 mL	3.1496 mL
50 mM	0.063 mL	0.315 mL	0.6299 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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