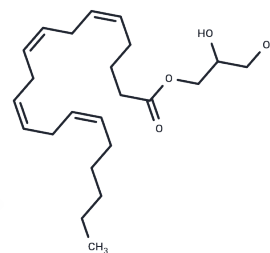


1-Arachidonoyl Glycerol

Chemical Properties

CAS No. :	35474-99-8
Formula:	C23H38O4
Molecular Weight:	378.6
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	2-Arachidonoylglycerol (2-AG) is identified as a more potent endogenous cannabinoid ligand compared to its analogue, 1-Arachidonoylglycerol (1-AG), exhibiting 10 to 100 times the ligand binding affinity and agonist activity at the CB1 receptor, thus making it a natural ligand. However, 2-AG's chemical instability leads to rapid isomerization to 1-AG (also referred to as 1(3)-AG) both in vitro and in vivo. This isomerization process, where 1-AG becomes a frequent contaminant in synthetic 1-AG preparations, significantly decreases their cannabinergic potency. Furthermore, 1-AG is characterized as a weak CB1 receptor agonist with potential for other pharmacological effects.
Targets(IC50)	Others,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6413 mL	13.2066 mL	26.4131 mL
5 mM	0.5283 mL	2.6413 mL	5.2826 mL
10 mM	0.2641 mL	1.3207 mL	2.6413 mL
50 mM	0.0528 mL	0.2641 mL	0.5283 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

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