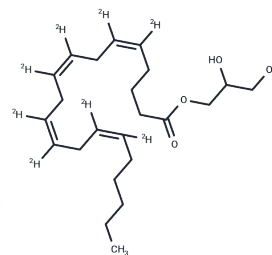


## 1-Arachidonoyl-D8-rac-glycerol

## Chemical Properties

CAS No. :	2692624-29-4
Formula:	C23H30D8O4
Molecular Weight:	386.6
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	1-Arachidonoyl-D8-rac-glycerol (1-AG-D8) serves as an internal standard for 1-AG quantification via GC or LC-MS. As a weak CB1 receptor agonist, 1-AG exhibits potential pharmacological effects. Notably, 1-AG, an isomer of 2-AG, is more stable, avoiding the rapid in vitro and in vivo isomerization that diminishes 2-AG's cannabinergic efficacy due to conversion to 1-AG (also known as 1 (3)-AG), a common impurity in synthetic 2-AG formulations.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5867 mL	12.9333 mL	25.8665 mL
5 mM	0.5173 mL	2.5867 mL	5.1733 mL
10 mM	0.2587 mL	1.2933 mL	2.5867 mL
50 mM	0.0517 mL	0.2587 mL	0.5173 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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