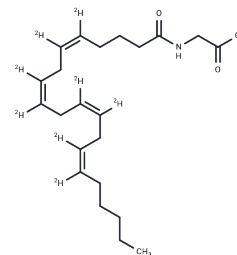


## N-Arachidonylglycine-D8

## Chemical Properties

CAS No. :	1159908-44-7
Formula:	C22H35NO3
Molecular Weight:	369.57
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	N-Arachidonylglycine-D8 is the deuterium-labeled version of N-Arachidonylglycine. N-Arachidonylglycine (T23040) (NA-Gly), a carboxylic analog of the endogenous cannabinoid anandamide (AEA), functions as a GPR18 agonist with an EC50 of 44.5 nM. Unlike AEA, it does not show activity at CB1 and CB2 receptors. It inhibits GLYT2 with an IC50 of 5.1 μM and is an effective stimulator of endometrial cell migration.
Targets(IC50)	Endogenous Metabolite, GlyT
In vivo	Administering N-Arachidonylglycine at 10 mg/kg orally leads to a 9-fold increase in blood anandamide levels. A single oral dose of N-Arachidonylglycine at 1.2 mg/kg results in a notable 70% decrease in peritoneal cell numbers.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7058 mL	13.5292 mL	27.0585 mL
5 mM	0.5412 mL	2.7058 mL	5.4117 mL
10 mM	0.2706 mL	1.3529 mL	2.7058 mL
50 mM	0.0541 mL	0.2706 mL	0.5412 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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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481