

Product Datasheet

1-Arachidonoyl-d8-rac-glycerol (orb2282976)

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.
Storage	-20°C
Note	For research use only
Formula	$C_{23}H_{30}D_8O_4$
Purity	98.00%
MW	386.6
CAS Number	2692624-29-4
SMILES	<chem>C(CC/C(=C\C/C/C(=C\C/C/C(=C\C/C/C(=C\CCCC)/[2H])/[2H])/[2H])/[2H])/[2H])/[2H])/[2H])C(OCC(CO)O)=O</chem>
Expiration Date	12 months from date of receipt.

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