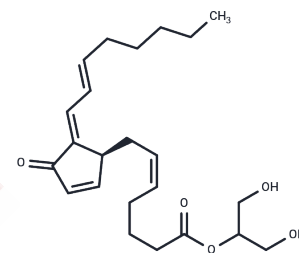


## 15-Deoxy- $\Delta$ 12,14-Prostaglandin J2-2-glyceryl ester

### Chemical Properties

CAS No. : 1947405-90-4  
 Formula: C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>  
 Molecular Weight: 390.51  
 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	15-Deoxy- $\Delta$ 12,14-Prostaglandin J2-2-glyceryl ester is a derivative of 15-Deoxy- $\Delta$ -12,14-prostaglandin J2. The 15-Deoxy- $\Delta$ -12,14-prostaglandin J2 (15d-PGJ2) is a cyclopentenone prostaglandin and a metabolite of PGD2. This compound acts as a selective PPAR $\gamma$ (with an EC50 of 2 $\mu$ M) and covalent PPAR $\delta$ agonist. Additionally, 15-Deoxy- $\Delta$ -12,14-prostaglandin J2 effectively promotes the differentiation of C3H10T1/2 fibroblasts into adipocytes, with an EC50 of 7 $\mu$ M.
Targets(IC50)	Others,Endogenous Metabolite,PPAR

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5608 mL	12.8038 mL	25.6075 mL
5 mM	0.5122 mL	2.5608 mL	5.1215 mL
10 mM	0.2561 mL	1.2804 mL	2.5608 mL
50 mM	0.0512 mL	0.2561 mL	0.5122 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.

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