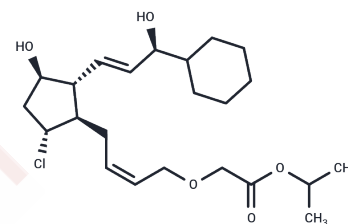


## ZK118182 isopropyl ester

## Chemical Properties

CAS No. :	154927-31-8
Formula:	C <sub>23</sub> H <sub>37</sub> ClO <sub>5</sub>
Molecular Weight:	428.99
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	ZK118182 isopropyl ester is a PG analog with potent DP-agonist activity (EC <sub>50</sub> = 16.5 nM) and high affinity for the DP receptor (K <sub>i</sub> = 74 nM).
Targets(IC <sub>50</sub> )	Others, Prostaglandin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3311 mL	11.6553 mL	23.3106 mL
5 mM	0.4662 mL	2.3311 mL	4.6621 mL
10 mM	0.2331 mL	1.1655 mL	2.3311 mL
50 mM	0.0466 mL	0.2331 mL	0.4662 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.

## Reference

Sharif, N.A., Williams, G.W., Crider, J.Y., et al. Molecular pharmacology of the DP/EP<sub>2</sub> class prostaglandin AL-6598 and quantitative autoradiographic visualization of DP and EP<sub>2</sub> receptor sites in human eyes. *Journal of Ocular Pharmacology and Therapeutics* 20(6), 489-508 (2004).

Hellberg, M.R., Conrow, R.E., Sharif, N.A., et al. 3-Oxa-15-cyclohexyl prostaglandin DP receptor agonists as topical antiglaucoma agents. *Bioorganic & Medicinal Chemistry* 10, 2031-2049 (2002).

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