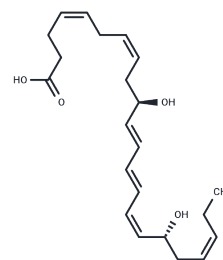


## 17(R)-Protectin D1

## Chemical Properties

CAS No. :	1365694-03-6
Formula:	C22H32O4
Molecular Weight:	360.49
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	17(R)-Protectin D1 is an aspirin-triggered epimer of the specialized pro-resolving mediator protectin D1. It decreases leukotriene B4-induced transendothelial migration of human polymorphonuclear (PMN) neutrophils when used at concentrations ranging from 0.1 to 10 nM. 17(R)-Protectin D1 (0.01-10 ng) reduces the recruitment of neutrophils in a mouse model of TNF- $\alpha$ -induced peritonitis.
Targets(IC50)	Others

## Solubility Information

Solubility	Ethanol: 1 mg/mL (2.77 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.774 mL	13.870 mL	27.740 mL
5 mM	0.5548 mL	2.774 mL	5.548 mL
10 mM	0.2774 mL	1.387 mL	2.774 mL
50 mM	0.0555 mL	0.2774 mL	0.5548 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

Serhan, C.N., Fredman, G., Yang, R., et al. Novel proresolving aspirin-triggered DHA pathway Chem. Biol. 18(18)976-987(2011)

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