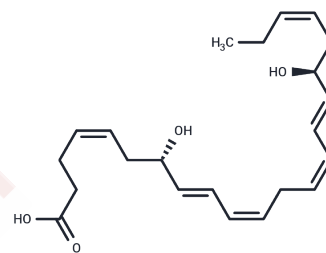


## Resolvin D5

## Chemical Properties

CAS No. :	578008-43-2
Formula:	C <sub>22</sub> H <sub>32</sub> O <sub>4</sub>
Molecular Weight:	360.49
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Resolvin D5 is an oxidised lipid mediator derived from docosahexaenoic acid (DHA) with anti-inflammatory properties. It inhibits the production of interleukin-6 (IL-6) and chemokine CCL5 in LPS-stimulated THP-1 cells via the ERK-NF-κB signalling pathway.
Targets(IC50)	ERK,NF-κB,CCR,IL Receptor

## Solubility Information

Solubility	DMF: 40 mg/mL (110.96 mM),Sonication is recommended. Ethanol: 40 mg/mL (110.96 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.

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