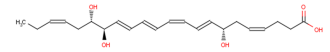


Data Sheet (Cat.No.T12707)

Resolvin D2

Chemical Properties

CAS No.:	810668-37-2
Formula:	C22H32O5
Molecular Weight:	376.49
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Resolvin D2 is a docosahexaenoic acid (DHA) metabolite, with anti-inflammatory and anti-infective activities.
Targets(IC ₅₀)	TRP Channel: None
In vivo	Resolvin D2 decreases leukocyte:endothelial interactions in vivo by endothelial-dependent nitric oxide production, and direct modulation of leukocyte adhesion receptor expression[2]. Peripheral administration of Resolvin D2 potentially inhibits inflammatory pain[3].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.656 mL	13.281 mL	26.561 mL
5 mM	0.531 mL	2.656 mL	5.312 mL
10 mM	0.266 mL	1.328 mL	2.656 mL
50 mM	0.053 mL	0.266 mL	0.531 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Siddiqui YD, et al. Resolvin D2 Induces Resolution of Periapical Inflammation and Promotes Healing of Periapical Lesions in Rat Periapical Periodontitis. *Front Immunol.* 2019 Feb 26;10:307.
- Spite M, et al. Resolvin D2 is a potent regulator of leukocytes and controls microbial sepsis. *Nature.* 2009 Oct 29;461(7268):1287-91.
- Park CK, et al. Resolvin D2 is a potent endogenous inhibitor for transient receptor potential subtype V1/A1, inflammatory pain, and spinal cord synaptic plasticity in mice: distinct roles of resolvin D1, D2, and E1.6. *J Neurosci.* 2011 Dec 14;31(50):18433-8.

Inhibitors · Natural Compounds · Compound Libraries

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