

PRODUCT INFORMATION

7-*epi* Maresin 1

Item No. 13161

CAS Number: 1268720-66-6

Formal Name: 7*S*,14*S*-dihydroxy-4*Z*,8*E*,10*E*,12*Z*,16*Z*,19*Z*-docosahexaenoic acid

Synonyms: 7(*S*)-MaR1, 7(*S*)-Maresin 1

MF: C₂₂H₃₂O₄

FW: 360.50

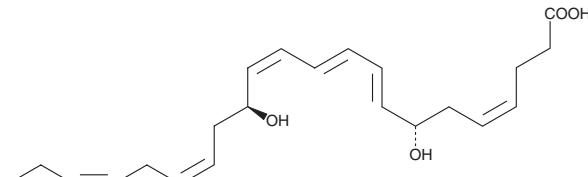
Purity: ≥95%

UV/Vis.: λ_{max} : 272 nm

Supplied as: A solution in ethanol

Storage: -80°C

Stability: As supplied, 1 year from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

7-*epi* Maresin 1 (7(*S*)-MaR1) is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of 7(*S*)-MaR1 in these solvents is approximately 50 mg/ml.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. If an organic solvent-free solution of 7(*S*)-MaR1 is needed, it can be prepared by evaporating the ethanol and directly dissolving the neat oil in aqueous buffers. The solubility of 7(*S*)-MaR1 in PBS, pH 7.2, is approximately 0.05 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

7-*epi*-Maresin 1 is the inactive 7(*S*) epimer of Maresin 1 (Item No. 10878), which contains a 7(*R*) hydroxy group. It can be used as an experimental negative control.

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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