

Product Data Sheet

Product Name: PCTR3
 Cat. No.: GC44581

Chemical Properties

Cas. No. 1810710-69-0

SMILES CC/C=C\C[C@H](O)[C@H](SC[C@@H](C(O)=O)N)/C=C/C=C/C=C\C/C=C\C/C=C\C/C=C\CC(=O)O

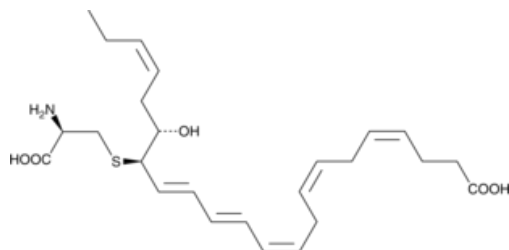
Formula C₂₅H₃₇NO₅S M.Wt 463.6

Solubility DMF: 50 mg/ml, DMSO: 50 mg/ml, Ethanol: 1 mg/ml, Ethanol:H₂O (95:5): 2 mg/ml, PBS (pH 7.2): 0.1 mg/ml
 Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Protein conjugates in tissue regeneration 3 (PCTR3) is a specialized pro-resolving mediator (SPM) synthesized from docosahexaenoic acid. DHA is oxidized to 16S,17S-epoxy-protectin, which is converted to PCTR1 by glutathione S-transferase and to PCTR2 and PCTR3 via peptidases. PCTR3 is found in infected mouse spleens and resolving exudate as well as isolated human spleen and septic plasma. It is also found in both M1 and M2 macrophages differentiated from isolated human monocytes.

Caution: Product has not been fully validated for medical applications. For research use only.

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