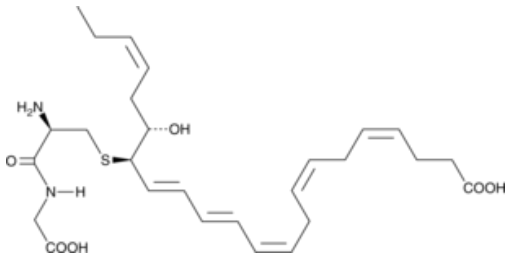
Product Data Sheet

Product Name: PCTR2
Cat. No.: GC44580

Chemical Properties

Cas. No.	1810710-63-4		
SMILES	CC/C=C\C[C@H](O)[C@H](SC[C@@H](C(NCC(O)=O)=O)N)/C=C/C=C/C=C\C/C=C\C/C=C\CCC(O)=O		
Formula	C27H40N2O6S	M.Wt	520.7
Solubility	DMF: 50 mg/ml,DMSO: 50 mg/ml,Ethanol: 1 mg/ml,Ethanol/Water (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 2 (PCTR2) 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 via γ-glutamyl transpeptidase. PCTR2 is found in resolving mouse exudate and 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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