

trans-Petroselinic Acid

Chemical Properties

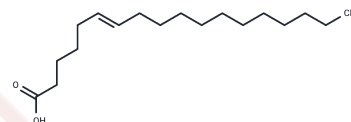
CAS No. : 593-40-8

Formula: C18H34O2

Molecular Weight: 282.46

Storage: Keep away from moisture, Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	trans-Petroselinic Acid (Δ^6 -trans-Octadecenoic Acid) is a trans-isomer of fucoidan and an isomer of oleic acid, which can be extracted from milk fat of cows, goats and ewes, as well as human breast milk.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5403 mL	17.7016 mL	35.4032 mL
5 mM	0.7081 mL	3.5403 mL	7.0806 mL
10 mM	0.354 mL	1.7702 mL	3.5403 mL
50 mM	0.0708 mL	0.354 mL	0.7081 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.

Reference

Precht D, et al. Comparative studies on individual isomeric 18:1 acids in cow, goat, and ewe milk fats by low-temperature high-resolution capillary gas-liquid chromatography. *Lipids*. 2001 Aug;36(8):827-32.

Hauff S, et al. Quantitation of cis- and trans-monounsaturated fatty acids in dairy products and cod liver oil by mass spectrometry in the selected ion monitoring mode. *J Agric Food Chem*. 2009 May 13;57(9):3423-30.

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