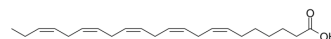


Docosapentaenoic acid 22n-3

Cat. No.:	HY-113159		
CAS No.:	24880-45-3		
Molecular Formula:	C ₂₂ H ₃₄ O ₂		
Molecular Weight:	330.5		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (151.29 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	3.0257 mL	15.1286 mL	30.2572 mL
	5 mM	0.6051 mL	3.0257 mL	6.0514 mL
	10 mM	0.3026 mL	1.5129 mL	3.0257 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (7.56 mM); Suspended solution; Need ultrasonic			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.56 mM); Suspended solution; Need ultrasonic			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.56 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Docosapentaenoic acid (22n-3) is a component of phospholipids found in all animal cell membranes.
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA