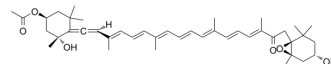


Fucoxanthin

Cat. No.:	HY-N2302		
CAS No.:	3351-86-8		
Molecular Formula:	C ₄₂ H ₅₈ O ₆		
Molecular Weight:	658.91		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (18.97 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.5177 mL	7.5883 mL	15.1766 mL
5 mM	0.3035 mL	1.5177 mL	3.0353 mL
10 mM	0.1518 mL	0.7588 mL	1.5177 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 1.25 mg/mL (1.90 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Fucoxanthin is a marine carotenoid and shows anti-obesity, anti-diabetic, anti-oxidant, anti-inflammatory and anticancer activities.

CUSTOMER VALIDATION

- Biomed Pharmacother. 2021 Apr 14;139:111590.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Gammone MA, et al. Anti-obesity activity of the marine carotenoid fucoxanthin. Mar Drugs. 2015 Apr 13;13(4):2196-214.

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

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