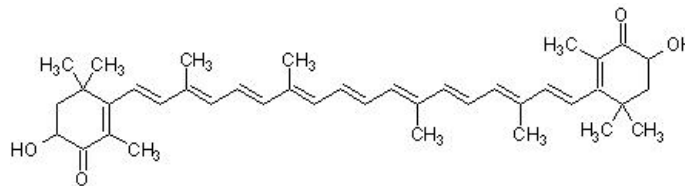


Astaxanthin, Antioxidant agent ab144193

1 Image

Overview

Product name	Astaxanthin, Antioxidant agent
Description	Potent antioxidant agent. PPAR α agonist and PPAR γ antagonist.
Biological description	Potent antioxidant agent. PPAR α agonist and PPAR γ antagonist. Free radical scavenger. Reduces oxidative stress. Induces apoptosis. Inhibits NF- κ B. Shows anti-inflammatory, antihypertensive, cardioprotective, neuroprotective and antitumor effects <i>in vivo</i> . Orally active.
Purity	> 97%
CAS Number	472-61-7
Chemical structure	

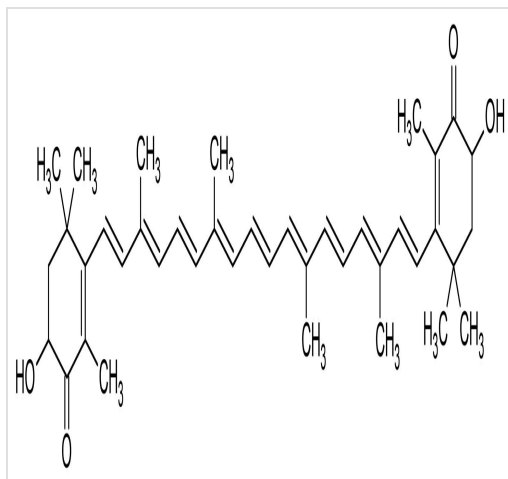


Properties

Chemical name	6-Hydroxy-3-[(1 <i>E</i> ,3 <i>E</i> ,5 <i>E</i> ,7 <i>E</i> ,9 <i>E</i> ,11 <i>E</i> ,13 <i>E</i> ,15 <i>E</i> ,17 <i>E</i>)-18-(4-hydroxy-2,6,6-trimethyl-3-oxocyclohexen-1-yl)-3,7,12,16-tetramethyloctadeca-1,3,5,7,9,11,13,15,17-nonaenyl]-2,4,4-trimethylcyclohex-2-en-1-one
Molecular weight	596.84
Molecular formula	C ₄₀ H ₅₂ O ₄
PubChem identifier	5368397
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol (with heating) and in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES	<chem>CC1=C(C(CC(C1=O)O)(C)C)/C=C/C(=C/C=C/C/C(=C/C=C/C/C(=C/C=C/C/C(=C/C=C/C(=O)C(CC2(C)C)O)C)\C)\C)/C</chem>
Source	Synthetic

Images



2D chemical structure image of ab144193, Astaxanthin, Antioxidant agent

Chemical Structure - Astaxanthin, Antioxidant agent
(ab144193)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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