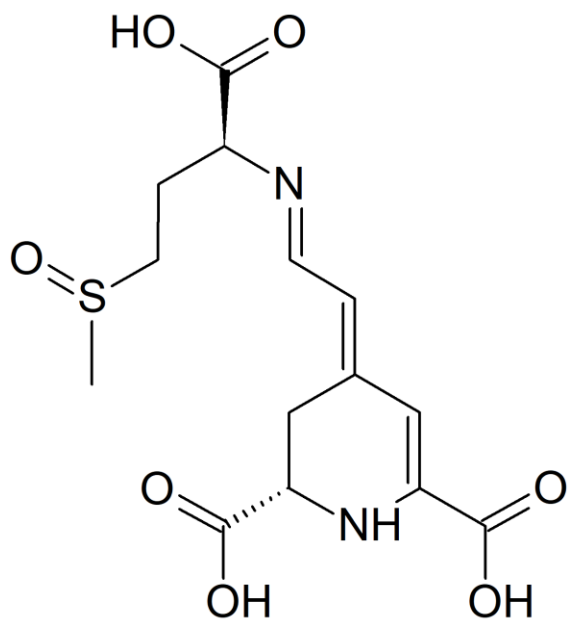


Product Miraxanthin I #2004



Product Description

Miraxanthin I standard stabilized with 50 μ M sodium ascorbate, solubilized in water stored in an amber vial, purity >98 % by HPLC analysis. Only for research use.

Catalogue Number: #2004

Chemical Name: Miraxanthin I

CAS Number: 5296-79-7

PubChem CID: 135438591

Synonyms

- (4E)-4-[2-(1-carboxy-3-methylsulfinylpropyl)iminoethylidene]-2,3-dihydro-1H-pyridine-2,6-dicarboxylic acid

-Methionine sulfoxide-betaxanthin

Molecular Formula: C₁₄H₁₈N₂O₇S

Smiles: CS(=O)CCC(C(=O)O)N=CC=C1CC(NC(=C1)C(=O)O)C(=O)O

Appearance: yellow to dark orange liquid

Molecular Weight: 358.37 g/mol

Purity: >98 %

Solubility: DMSO, Water

Storage: -20 °C

Molar absorption coefficient at 480 nm: 48000 (M cm)⁻¹ (PMID: **18578538**)

Category: Standards; Dyes; phytochemicals, Pharmaceutical, Metabolites

Main sources: Caryophyllales plants such *Mirabilis jalapa* and *Ardisia japonica*

Applications: Miraxanthin I is the main pigment in the Marvel of Peru (Belle de Nuit) flowers

References: PMID: **15805475**, Betaxanthins as substrates for tyrosinase. An approach to the role of tyrosinase in the biosynthetic pathway of betalains.

PMID: **32535316**, Betalain health-promoting effects after ingestion in *Caenorhabditis elegans* are mediated by DAF-16/FOXO and SKN-1/Nrf2 transcription factors.

Quantity	Format	Price
1 mg	100 µL HPLC amber vial	850 €
2.5 mg	250 µL HPLC amber vial	1595 €
5 mg	500 µL HPLC amber vial	2995 €
10 mg	1 mL HPLC amber vial	5750 €