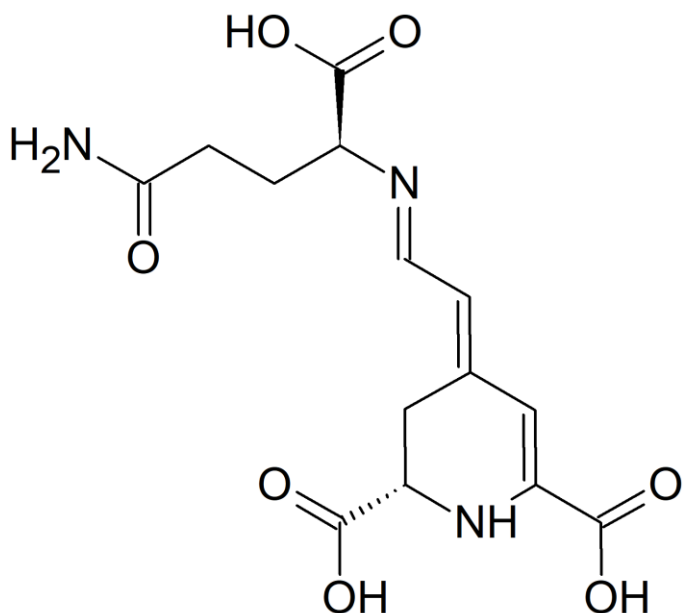


Product Vulgaxanthin I #2002



Product Description

Vulgaxanthin 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: #2002

Chemical Name: Vulgaxanthin I

CAS Number: 904-62-1

PubChem CID: 135438599

Synonyms

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

-Glutamine-betaxanthin

Molecular Formula: C₁₄H₁₇N₃O₇

Smiles: C1C(NC(=CC1=CC=NC(CCC(=O)N)C(=O)O)C(=O)O)C(=O)O

Appearance: yellow to dark orange liquid

Molecular Weight: 339.30 g/mol

Purity: >98 %

Solubility: DMSO, Water

Storage: -20 °C

Molar absorption coefficient at 480 nm: 46000 (M cm)⁻¹ (PMID: **18578538**)

Category: Standards; Dyes; phytochemicals, Pharmaceutical, Metabolites;

Main sources: Caryophyllales plants such *Beta vulgaris spp vulgaris and spp cicla*

Applications: Vulgaxanthin I is the main pigment in red and golden beetroots *Beta vulgaris spp vulgaris*

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

PMID: **18662012**, Betalains in red and yellow varieties of the Andean tuber crop ulluco (*Ullucus tuberosus*)

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 €