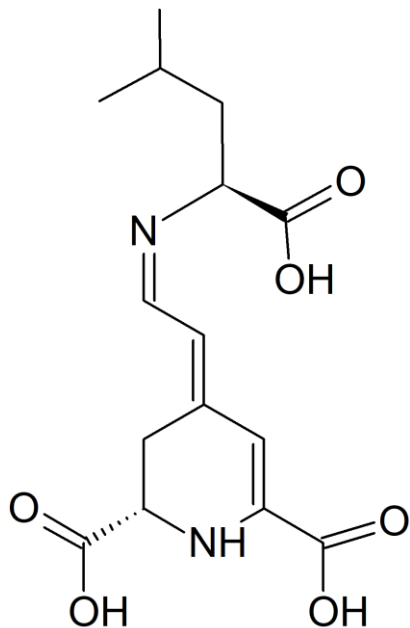


Product Vulgaxanthin IV #2009



Product Description

Vulgaxanthin IV 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: #2009

Chemical Name: Leucine-betaxanthin

CAS Number: Not available

PubChem CID:

Synonyms

-(2S,4E)-4-[(2E)-2-[(1-carboxy-3-methylbutyl)imino]ethylidene]-2,3-dihydro-1H-pyridine-2,6-dicarboxylic acid

-Leucine-betaxanthin

-Vulgaxanthin IV

Molecular Formula: C₁₅H₂₀N₂O₆

Smiles: [H][C@]1(C\C(=C/C=N/C(CC(C)C)C(O)=O)C=C(N1)C(O)=O)C(O)=O

Appearance: yellow to dark orange liquid

Molecular Weight: 324.3 g/mol

Purity: >98 %

Solubility: DMSO, Water

Storage: -20 °C

Molar absorption coefficient at 480 nm: 50000 (M cm)⁻¹ (PMID 18578538)

Category: Standards; Dyes; phytochemicals, Pharmaceutical, Metabolites

Main sources: Is a minoritarian betaxanthin from Caryophyllales plants such beetroot (*Beta vulgaris* ssp *Vulgaris*) and Swiss Chard (*Beta vulgaris* ssp *Cicla*)

Applications:

References: PMID: **32666336**, Identification of New Betalains in Separated Betacyanin and Betaxanthin Fractions from Ulluco (*Ullucus tuberosus* Caldas) by HPLC-DAD-ESI-MS

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 €