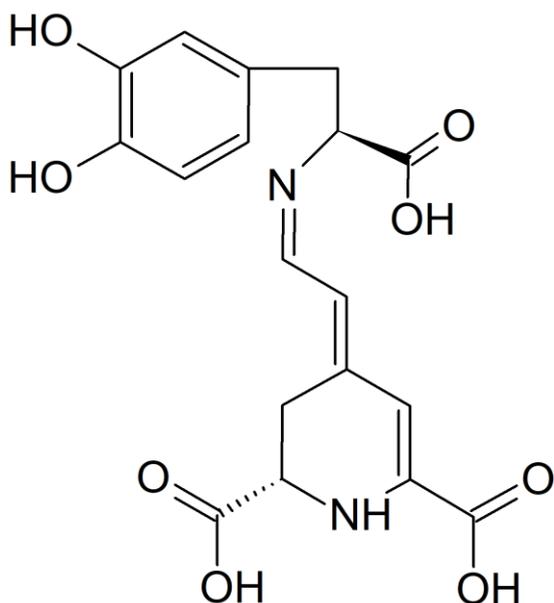


Product Dopaxanthin #2001



Product Description

Dopaxanthin 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: #2001

Chemical Name: Dopaxanthin

CAS Number: 71199-31-0

PubChem CID: 135438589

Synonyms

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

-3-dihydropyridine-2,6-dicarboxylic acid

Molecular Formula: C₁₈H₁₈N₂O₈

Smiles: C1C(NC(=CC1=CC=NC(CC2=CC(=C(C=C2)O)O)C(=O)O)C(=O)O)C(=O)O

Appearance: yellow to dark orange liquid

Molecular Weight: 390.3 g/mol

Purity: >98 %

Solubility: DMSO, Water

Storage: -20 °C

Molar absorption coefficient at 480 nm: 46000 (M cm)⁻¹ (PMID: **20467875**)

Category: Standards; Dyes; phytochemicals, Pharmaceutical, Metabolites

Main sources: Caryophyllales plants such *Celosia argentea*, *Portulaca grandiflora* or *Lampranthus productus*

Applications: Dopaxanthin is the main pigment in *Lampranthus productus*, *Glottiphyllum oligocarpum*, and *Glottiphyllum pigmaeum* inflorescences

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 €