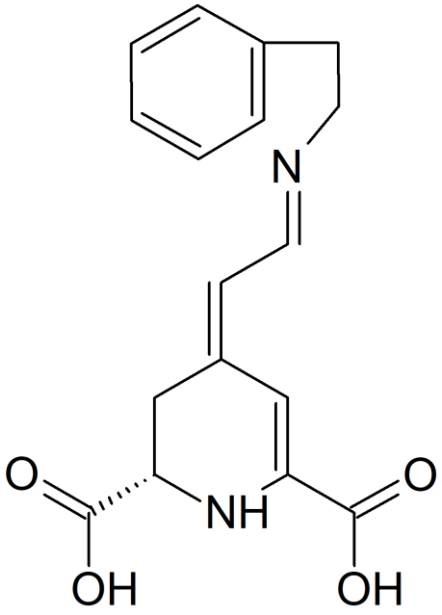
Product Phenylethylamine-betaxanthin #2006



Product Description

Phenylethylamine-betaxanthin standard stabilized with 50 µM sodium ascorbate, solubilized in water stored in an amber vial, purity >98 % by HPLC analysis. Only for research use.

Catalogue Number: #2006

Chemical Name: Phenylethylamine-betaxanthin

CAS Number: Not available

PubChem CID: Not available

Synonyms

- (2S,4E)-4-[(2Z)-2-{[(1S) -2-phenylethyl]imino}ethylidene]-2,3-dihydro-1H-pyridine-2,6-dicarboxylic acid

Molecular Formula: $C_{17}H_{18}N_2O_4$

Smiles: OC(=O)C1CC(=C\C=N/CCC2CCCCC2)/C=C(N1)C(=O)O

Appearance: yellow to dark orange liquid

Molecular Weight: 314.34 g/mol

Purity: >98 %

Solubility: DMSO, Water

Storage: -20 ºC

Molar absorption coefficient at 480 nm: 49000 $(M\ cm)^{-1}$ (PMID: **18578538**)

Category: Standards; Dyes; phytochemicals, Pharmaceutical, Metabolites

Main sources: Is a minoritarian betaxanthin from Caryophyllales plants such yellow-orange prickly pears (*Opuntia sp*), and Swiss Chard (*Beta vulgaris* ssp *Cicla*)

Applications:

References: PMID: **32707947**, Antitumoral Drug Potential of Tryptophan-Betaxanthin and Related Plant Betalains in the *Caenorhabditis elegans* Tumoral Model.

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 €