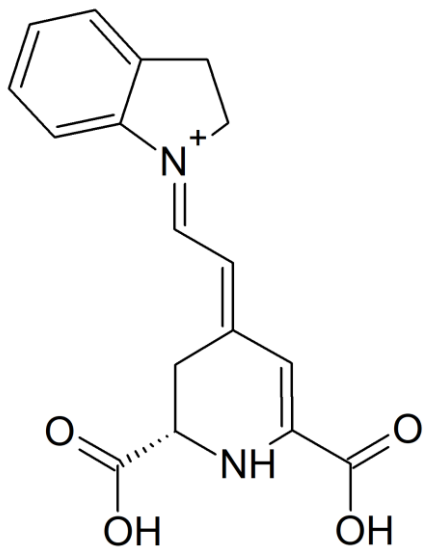


Product Indoline-betacyanin #1003



Product Description

Indoline-betacyanin 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: #1003

Chemical Name: Indoline-betacyanin

CAS Number: Not available

PubChem CID: Not available

Synonyms

- (2S)-4-[2,3-dihydroindol-1-yl ethenyl]-2,3-dihydropyridine-2,6-dicarboxylic acid

- Indoline-betacyanin

Molecular Formula: C₁₇H₁₇N₂O₄

Smiles: OC(=O)C1CC(=C\C=C=[N+](C1)/C2=CC=CC=C2)/C=C(N1)C(=O)O

Appearance: Pink to Purple liquid

Molecular Weight: 313.4 g/mol

Purity: >98 %

Solubility: DMSO, Water

Storage: -20 °C

Molar absorption coefficient at 536 nm: 71000 (M cm)⁻¹ (PMID: **20467875**)

Category: Standards; Dyes, Pharmaceutical

Main sources: Synthetic betacyanin

Applications: Synthetic betacyanin with high molar absorption coefficient

References: PMID: **31270958**, Scaled-up biotechnological production of individual betalains in a microbial system.

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 €