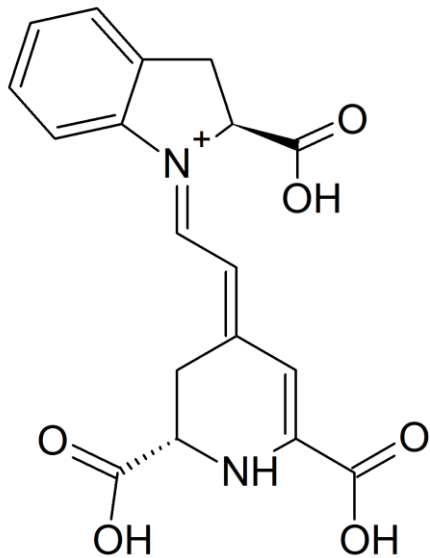


## Product Indoline carboxylic acid-betacyanin #1004



### Product Description

Indoline carboxylic acid-betacyanin standard stabilized with 50  $\mu$ M sodium ascorbate, solubilized in water stored in an amber vial, purity >98 % by HPLC analysis. Only for research use.

**Catalogue Number:** #1004

**Chemical Name:** Indoline carboxylic acid-betacyanin

**CAS Number:** Not available

**PubChem CID:** Not available

### Synonyms

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

**Molecular Formula:** C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>O<sub>6</sub>

**Smiles:** O=C(O)C=1C=C(CC(N=1)C(=O)O)/C=C/N1C2CCCCC2CC1C(=O)O

**Appearance:** Pink to Purple liquid

**Molecular Weight:** 356.3 g/mol

**Purity:** >98 %

**Solubility:** DMSO, Water

**Storage:** -20 °C

**Molar absorption coefficient at 536 nm:** 76000 (M cm)<sup>-1</sup> (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 €