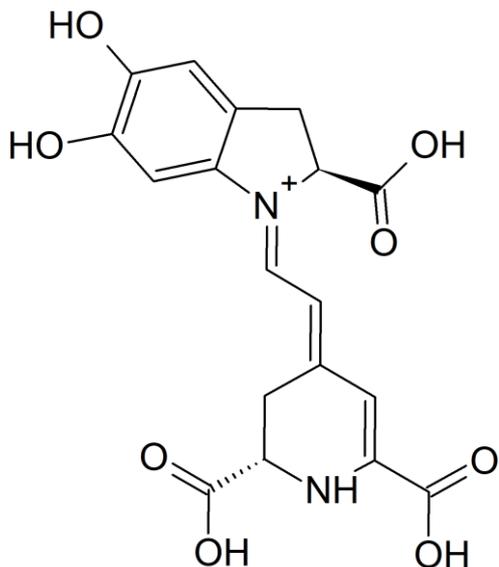


Product Betanidin #1001



Product Description

Betanidin 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: #1001

Chemical Name: Betanidin

CAS Number: 2181-76-2

PubChem CID: 137218006

Synonyms

- (2S)-4-[2-[(2S)-2-carboxy-5,6-dihydroxy-2,3-dihydroindol-1-yl]ethenyl]-2,3-dihydropyridine-2,6-dicarboxylic acid

- Betanidine

-Betanin aglycone

Molecular Formula: C₁₈H₁₆N₂O₈

Smiles: C1C(N=C(C=C1C=CN2C(CC3=CC(=C(C=C32)O)O)C(=O)O)C(=O)O)C(=O)O

Appearance: Pink to Purple liquid

Molecular Weight: 388.3 g/mol

Purity: >98 %

Solubility: DMSO, Water

Storage: -20 °C

Molar absorption coefficient at 536 nm: 65000 (M cm)⁻¹ (PMID: **20467875**)

Category: Standards; Dyes; phytochemicals, Pharmaceutical, Metabolites

Main sources: Caryophyllales plants such as red beets (*Beta vulgaris. L*), prickly pears fruits (*Opuntia ficus-indica* sp, *Opuntia elatior*), vegetables (*Basella rubra*, *Spinacia oleracea*) grains (*Chenopodium quinoa*) and flowers of *Portulaca grandiflora* (Moss Rose), *Mesembryanthemum edule* (Ice Plant), *Amaranthus mangostanus* (Amaranth) and *Lampranthus* sp.

Applications: Betanidin is included as Coloring Agent by the U.S. government

References: PMID: **17256962**, Characterization of the activity of tyrosinase on betanidin.

PMID: **33533323**, Identification of novel anti-cancer agents, applying *in silico* method for SENP1 protease inhibition.

Quantity	Format	Price
1 mg	100 µL HPLC amber vial	345 €
2.5 mg	250 µL HPLC amber vial	595 €
5 mg	500 µL HPLC amber vial	1095 €
10 mg	1 mL HPLC amber vial	1995 €