

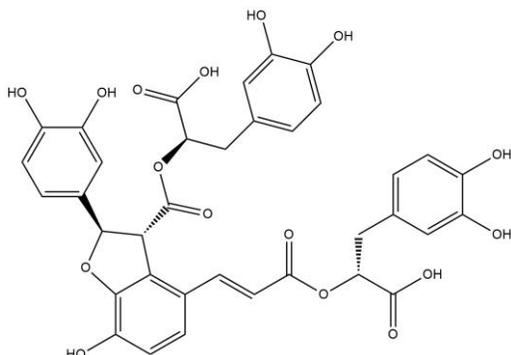
Salvianolic acid B

01/21

ALTERNATE NAMES: Lithospermic acid B; (2R)-2-[(E)-3-[(2R,3R)-3-[(1R)-1-carboxy-2-(3,4-dihydroxyphenyl)ethoxy]carbonyl-2-(3,4-dihydroxyphenyl)-7-hydroxy-2,3-dihydro-1-benzofuran-4-yl]prop-2-enoyl]oxy-3-(3,4-dihydroxyphenyl)propanoic acid; (R)-2-(((2R,3R)-4-((E)-3-((R)-1-Carboxy-2-(3,4-dihydroxyphenyl)ethoxy)-3-oxoprop-1-en-1-yl)-2-(3,4-dihydroxyphenyl)-7-hydroxy-2,3-dihydrobenzofuran-3-carbonyl)oxy)-3-(3,4-dihydroxyphenyl)propanoic acid; Danshensuan B

CATALOG #: B3102-10 10 mg
B3102-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₆H₃₀O₁₆

MOLECULAR WEIGHT: 718.61

CAS NUMBER: 115939-25-8, 121521-90-2

APPEARANCE: Off-white to light brown powder

PURITY: ≥ 98%

SOLUBILITY: ~20 mg/ml in DMSO or DMF
~5 mg/ml in water
Prepare solutions freshly as the compound is unstable in solutions.

DESCRIPTION: Salvianolic acid B is an antioxidant and anti-inflammatory compound extracted from *Salvia miltiorrhiza*. It shows cardioprotective and chemopreventative properties. It shows high free radical scavenging activity with an EC₅₀ value of 1.81 µg/ml in the DPPH radical method.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

- Sun, Y., Zhu, H., Wang, J., et al. Isolation and purification of salvianolic acid A and salvianolic acid B from *Salvia miltiorrhiza* by high-speed counter-current chromatography and comparison of their antioxidant activity. *Journal of Chromatography B*. 877, 8–9, 733-737 (2009).
- Zhao, Y., Guo, Y., and Gu, X. Salvianolic Acid B, a potential chemopreventive agent, for head and neck squamous cell cancer. *J.Oncol.* 2011, (2011).

RELATED PRODUCTS:

Curcumin, *Curcuma longa* (High Purity) (Cat. No. 1850)
Piperine (Cat. No. B2086)
Apigenin (Cat. No. 2508)
Sulforaphane (Cat. No. B2801)
Delphinidin (chloride) (Cat. No. B2807)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**