



## Product Information

Product ID S822687

CAS No. 252023-70-4

Chemical Name Surfactin

**Synonym** Surfactin mixture, 3-[(3S,6R,9S,12S,15R,18S,21S,25R)-9-(carboxymethyl)-3,6,15,18-tetrakis(2-methylpropyl)-25-(10-methylundecyl)-2,5,8,11,14,17,20,23-octa-oxo-12-propan-2-yl-1-oxa-4,7,10,13,16,19,22-haptazacyclononane-71-yl]ironanoic acid, iso-C15-Surfactin

**Formula** C<sub>53</sub>H<sub>93</sub>N<sub>7</sub>O<sub>13</sub>

**Formula Wt.** 1036-1064

**Melting Point** 275-277 °C

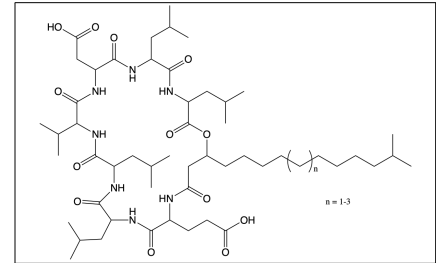
**Purity** ≥90% mixed isomers

**Solubility** DMF, DMSO, methanol, ethanol (10 mg/mL).

**Store Temp** -20 °C

**Ship Temp** Ambient

**Description** Surfactin is a mixture containing several isomers. This surfactant is commonly used as an antibiotic.



## Pricing and Availability

**Bulk quantities available upon request**

| Product ID | Size   | List Price |
|------------|--------|------------|
| S822687    | 10 mg  | \$130.80   |
| S822687    | 25 mg  | \$218.00   |
| S822687    | 100 mg | \$626.80   |

**References** Rekiel E, Zdziennicka A, Szymczyk K, et al. Wetting properties of rhamnolipid and surfactin mixtures with Triton X-165. *Molecules*. 2022 Jul 23;27(15):4706. PMID: 35897880.

Chen X, Zhao H, Meng F, et al. Ameliorated effects of a lipopeptide surfactin on insulin resistance in vitro and in vivo. *Food Sci Nutr*. 2022 Mar 29;10(7):2455-2469. PMID: 35844917.

Jakab A, Kovacs F, Balla N, et al. Physiological and transcriptional profiling of surfactin exerted antifungal effect against *Candida albicans*. *Biomed Pharmacother*. 2022 Aug;152:113220. PMID: 35671583.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.