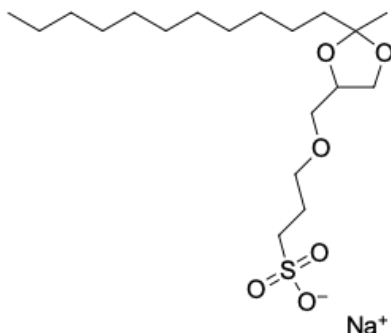


## ALS-1 Surfactant

<http://www.lumiprobe.com/p/als-1-surfactant>

ALS-1 (Acid-Labile Surfactant-1) is an anionic surfactant compatible with mass spectrometry (MS) and used to solubilize and unfold proteins in proteomic applications. ALS-1 significantly reduces the time of proteolytic digestion of proteins, facilitates the cleavage of proteins resistant to proteolysis, and enhances the solubility of hydrophobic peptides and proteins.



**Structure of ALS-1 Surfactant**

### General properties

Appearance: off white paste

Molecular weight: 416.56

CAS number: 308818-13-5

Molecular formula: C<sub>19</sub>H<sub>37</sub>NaO<sub>6</sub>S

IUPAC name: Sodium 3-[(2-methyl-2-undecyl-1,3-dioxolan-4-yl)methoxy]-1-propanesulfonate

Solubility: DMSO, water, methanol

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

Storage conditions: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.