

PRODUCT: ASB-16

ALTERNATE NAME: 3-[N,N-Dimethyl(3-palmitoylamino)propyl]ammonio]propanesulfonate; Amidofobetaine-16

CATALOG #: 2136-1G, 5G

AMOUNT: 1 g, 5 g

STRUCTURE:

MOLECULAR FORMULA: C₂₄H₅₀N₂O₄S

MOLECULAR WEIGHT: 462.73

CAS#: 52562-29-5

APPEARANCE: White solid

SOLUBILITY: H₂O (warm, ~10 mg/ml; slightly hazy solution)

PURITY: ≥97% by TLC

STORAGE: Store at +4°C

DESCRIPTION: A zwitterionic detergent useful for the solubilization of proteins including previously undetected membrane proteins. ASB-16 exhibits better protein solubilization properties than CHAPS. Also useful for solubilizing proteins for 2D-gel electrophoresis.

REFERENCE: Chevallet, M., et al. (1998). *Electrophoresis* **19**, 1901-1909.

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

RELATED PRODUCTS:

ASB-14 (Cat. No. 1738-5G, 25G)

CHAPS, High Purity (Cat. No. 1545-10G, 50G, 500G, 1 Kg)

Digitonin, Water-Soluble (Cat. No. 2081-100, 250, 1000)

EZSolution™ Digitonin (Cat. No. 2082-1)

NP-40 Substitute Detergent, MegaPure™ 10% Solution (Cat. No. 2127-50, 100, 500)

Octyl-β-D-glucopyranoside (Cat. No. 1646-5G, 25G, 50G)

NP-40 (10% Solution in H₂O) (Cat. No. 2111-100)

SDS Solution (10% Solution in H₂O) (Cat. No. 2102-100)

Sulfobetaine 3-16 (Cat. No. 1777-5G, 25G)

Triton X-100 (10% Solution in H₂O) (Cat. No. 2104-100)

Triton X-100, MegaPure™ Detergent, 10% Solution (Cat. No. 2124-50, 100, 500)

Triton X-114, MegaPure™ Detergent, 10% Solution (Cat. No. 2137-50, 100, 500)

Tween® 20 (10% Solution in H₂O) (Cat. No. 2111-100)

Tween® 20, MegaPure™, Detergent, 10% Solution (Cat. No. 2125-50, 100, 500)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**