**FluoProbes® FT-46558A**

**AMS**

*Highly polar thiol-reactive reagent - water soluble - cell membrane impermeable.*

**Product Description**

**Name:** 4-acetamido-4’-maleimidylstilbene-2,2’-disulfonic acid, disodium salt (AMS)

Benzenesulfonic acid, 5-(acetylamino)-2-[2-[4-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yI)-2-sulfophenyI]ethenyl]-, disodium salt

**Catalog Number:** FP-46558A, 25 mg

**Molecular Weight:** MW = 536.44

**CAS:** [175171-43-4] ; C₂₀H₁₄N₂Na₂O₉S₂

**Solubility:** Water, DMSO

**Fluorescence:** λ<sub>exc</sub>λ<sub>em</sub> (pH 8, derivatized with 2-mercaptoethanol) = 321/410 nm

**Storage:** –20°C Protect from light and moisture

**Directions for use**

**Application**

To determine whether thiol-containing proteins and polypeptide chains are exposed at the extracellular or cytoplasmic membrane surface.

**Guidelines for use**

Protocol may be found in the literature.

**Technical and scientific information**

**References**

- Lutsenko S. et al., Identification of Two Conformationally Sensitive Cysteine Residues at the Extracellular Surface of the Na,K-ATPase alpha -Subunit, Volume 272, Number 8 pp. 5249-5255 (1997) [Article]
- Nishi T. et al., The first putative transmembrane segment of subunit c" (Vma16p) of the yeast V-ATPase is not necessary for function, *J Biol Chem* 278, 5821-7 (2003) [Article]
Related / associated products and documents

See BioSciences Innovations catalogue and e-search tool.

- DTT, 054720
- TCEP, 242214
- 3-(N-Maleimidopropionyl)-biocytin (MPB), FP-996875
- 7-diethylamino-3-(4’-maleimidylphenyl)-4-methylcoumarin (CPM), FP-46714A

Ordering information

Catalog size quantities and prices may be found at http://www.interchim.com
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask: FluoProbes® / Interchim; Hotline: +33(0)4 70 03 73 06

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