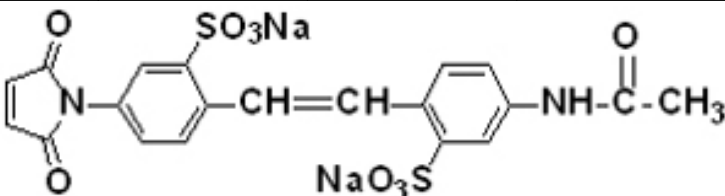


Certificate of Analysis

(C of A)

| | | | | | | | | |
|---------------------------------|--|--|----------|---|--|-------------|--|-------------|
| Name: | | AMS 4-Acetamido-4'-maleimidylstilbene-2,2'-disulfonic acid, disodium salt | | | | | | |
| Catalog Number: | | 6508 | Lot: | | 51049 | | | |
| CAS Number: | | 175171-43-4 | Formula: | | C ₂₀ H ₁₄ N ₂ Na ₂ O ₉ S ₂ | | | |
| Molecular Weight: | | 536.44 (g/mol) | | | | | | |
| | | | | | | | | |
| | | Observed | | Standard | | | | |
| HPLC Purity: | | 94% at 254 nm | | ≥ 65% at 254 nm | | | | |
| Absorption (Buffer pH 8) | | | | | | | | |
| Wavelength (λ _{max}): | | 322 nm | | 323 ± 3 nm | | | | |
| Extinction: | | 33,800 cm ⁻¹ M ⁻¹ | | 31,500 ± 4,500 cm ⁻¹ M ⁻¹ | | | | |
| TLC Purity: | | > 95% | | ≥ 65% | | | | |
| TLC System: | | 45:45:10 Chloroform/ Methanol/ Acetic acid | | | | | | |
| Storage: | | Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L) | | | | | | |
| Production Lot: | | 14519 | Release: | | 28-Oct-2014 | Expiration: | | 28-Oct-2024 |
| Structure: | |  | | | | | | |

This data reflects the accuracy of the analysis of the subject lot
 For research use only. Not for human use. No animal source.
 This material is chemically synthesized and manufactured in the USA

Approved by: Dianna M Wineinger
 Analytical Services Manager

Date: 28-Oct-2014

Signature: Dianna M Wineinger