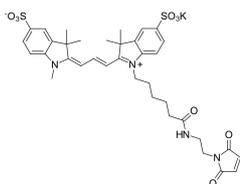


Sulfo-Cyanine 3 maleimide (A270278)

Specifications:

| | |
|-----------------------------|---|
| Name: | Sulfo-Cyanine 3 maleimide |
| Description: | Sulfo-Cyanine 3 maleimide is a water soluble, thiol reactive dye for the labeling with hydrophilic sulfo-Cyanine 3 fluorophore. This is an analog of Cy3® maleimide. This product is recommended for the labeling of antibodies and other labile proteins in mild, purely aqueous conditions. The dye is water soluble and does not require use of organic co-solvent. A non-sulfonated Cyanine 3 maleimide is available. |
| Absorption Maxima: | 548 nm |
| Extinction Coefficient: | 162000 M ⁻¹ cm ⁻¹ |
| Emission Maxima: | 563 nm |
| Fluorescence Quantum Yield: | 0.1 |
| CAS Number: | 1656990-68-9 |
| CF ₂₆₀ : | 0.03 |
| CF ₂₈₀ : | 0.06 |
| Purity: | > 95% (by ¹ H NMR and HPLC-MS). |
| Molecular Formula: | C ₃₆ H ₄₁ KN ₄ O ₉ S ₂ |
| Molecular Weight: | 776.96 kDa |
| Product Form: | Red powder. |
| Solubility: | Soluble in water (0.39 M = 30 g/L), DMF, and DMSO. |
| Storage: | Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate. |
| Disclaimer: | This product is for research use only. It is not intended for diagnostic or therapeutic use. |

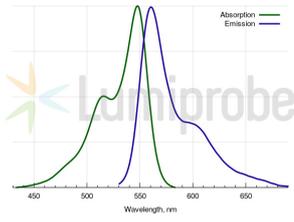
Images:



Sulfo-Cyanine 3 maleimide.

Sulfo-Cyanine 3 maleimide (A270278)

Images continued:



Sulfo-Cyanine 3 maleimide.