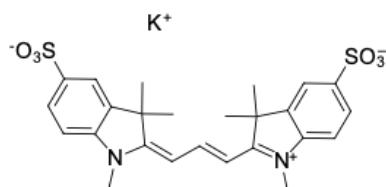

sulfo-Cyanine3 dimethyl

<http://www.lumiprobe.com/p/sulfo-cyanine3-dimethyl>

sulfo-Cyanine3 dimethyl is a non-functionalized, water-soluble cyanine dye with bright yellow fluorescence. The dye can be used as a non-reactive fluorophore for control experiments, calibration, and other technical applications.



Structure of sulfo-Cyanine3 dimethyl

General properties

Appearance:	dark red crystals
Molecular weight:	554.73
Molecular formula:	C ₂₅ H ₂₇ KN ₂ O ₆ S ₂
Quality control:	NMR ¹ 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. Avoid prolonged exposure to light.

Spectral properties

Excitation/absorption maximum, nm:	548
ε, L·mol ⁻¹ ·cm ⁻¹ :	162000
Emission maximum, nm:	563
Fluorescence quantum yield:	0.1
CF ₂₆₀ :	0.03
CF ₂₈₀ :	0.06