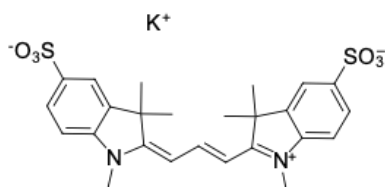


sulfo-Cyanine3 dimethyl

<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:	$C_{25}H_{27}KN_2O_6S_2$
Quality control:	NMR 1H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at $-20^\circ C$ 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 , $L \cdot mol^{-1} \cdot cm^{-1}$:	162000
Emission maximum, nm:	563
Fluorescence quantum yield:	0.1
CF_{260} :	0.03
CF_{280} :	0.06