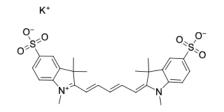


## sulfo-Cyanine5 dimethyl

http://www.lumiprobe.com/p/sulfo-cyanine5-dimethyl

sulfo-Cyanine5 dimethyl is a non-functionalized, water-soluble cyanine dye with bright far-red fluorescence. The dye can be used as a non-reactive fluorophore for control experiments, calibration, and other technical applications.



## Structure of sulfo-Cyanine5 dimethyl

General properties	
Appearance:	blue powder
Molecular weight:	580.77
Molecular formula:	$C_{27}H_{29}KN_2O_6S_2$
Solubility:	good in water, DMF, DMSO, low in most organic solvents
Quality control:	NMR <sup>1</sup> H and HPLC-MS (95+%)
Storage conditions:	24 months after receival 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:	646
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	271000
Emission maximum, nm:	662
Fluorescence quantum yield:	0.28
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.04