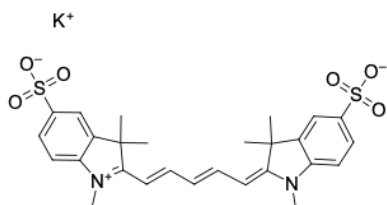


sulfo-Cyanine5 dimethyl

<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 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.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	646
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	271000
Emission maximum, nm:	662
Fluorescence quantum yield:	0.28
CF_{260} :	0.04
CF_{280} :	0.04