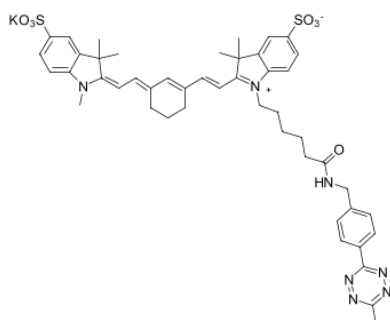


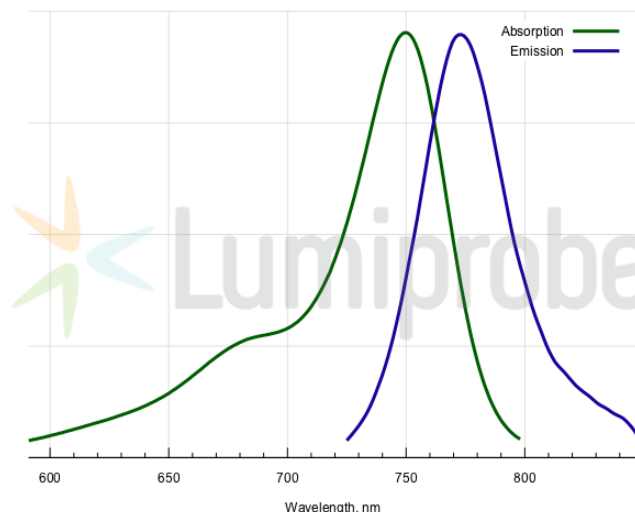
sulfo-Cyanine7 tetrazine

<http://www.lumiprobe.com/p/sulfo-cy7-tetrazine>

sulfo-Cyanine7 is a near infrared, water soluble fluorophore. This derivative contains methyltetrazine group for the fast, efficient, and metal free conjugation with cycloalkenes in a reaction called TCO ligation.



Structure of sulfo-Cyanine7 tetrazine



sulfo-Cyanine7 absorption and emission spectra

General properties

Appearance:	dark green solid
Mass spec M+ increment:	863.3
Molecular weight:	930.19
Molecular formula:	C ₄₇ H ₅₂ N ₇ KO ₇ S ₂
Solubility:	good in DMF, DMSO, water
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
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:	750
ε, L·mol ⁻¹ ·cm ⁻¹ :	240600
Emission maximum, nm:	773
Fluorescence quantum yield:	0.24
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.04