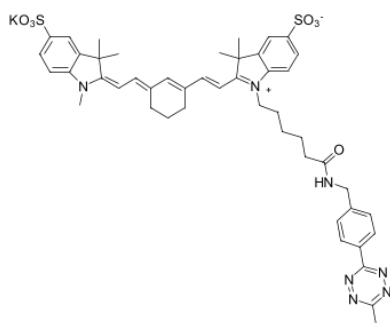


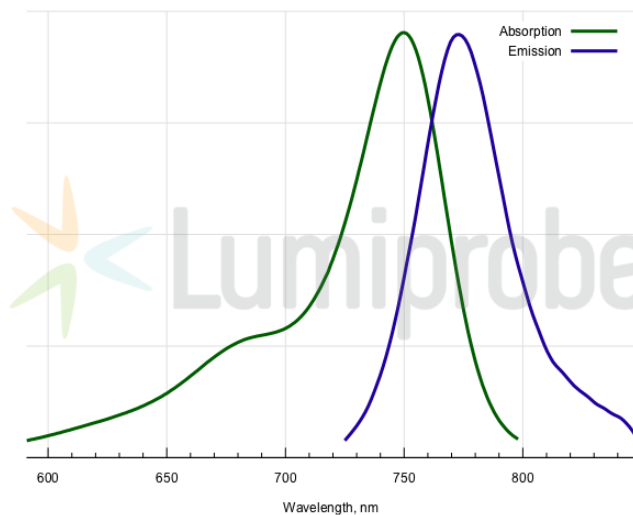
sulfo-Cyanine7 tetrazine

<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.

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