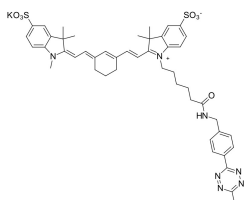


## Sulfo-Cyanine 7 tetrazine (A270314)

### Specifications:

Name:	Sulfo-Cyanine 7 tetrazine
Description:	Sulfo-Cyanine 7 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.
Absorption Maxima:	750 nm
Extinction Coefficient:	240600 M <sup>-1</sup> cm <sup>-1</sup>
Emission Maxima:	773 nm
CF <sub>260</sub> :	0.04
CF <sub>280</sub> :	0.04
Mass Spec M+ Shift after Conjugation:	863.3
Purity:	95% (by <sup>1</sup> H NMR and HPLC-MS).
Molecular Formula:	C <sub>47</sub> H <sub>52</sub> N <sub>7</sub> KO <sub>7</sub> S <sub>2</sub>
Molecular Weight:	930.19 kDa
Product Form:	Dark green solid.
Solubility:	Good in DMF, DMSO, and water.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

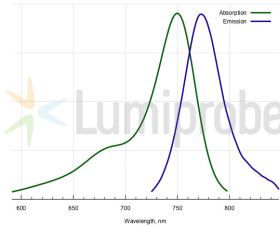
### Images:



Structure of Sulfo-Cyanine 7 tetrazine.

## Sulfo-Cyanine 7 tetrazine (A270314)

Images continued:



Sulfo-Cyanine 7 absorption and emission spectra.