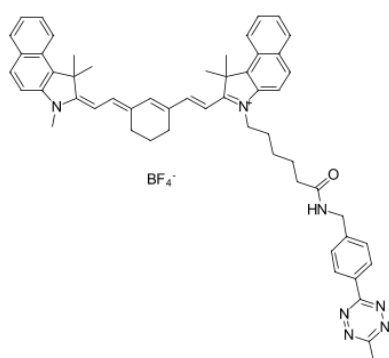


## Cyanine7.5 tetrazine

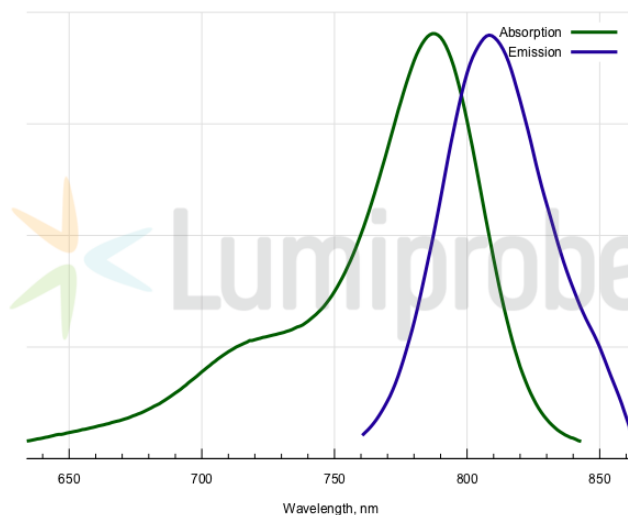
<http://www.lumiprobe.com/p/cy75-tetrazine>

Cyanine7.5 tetrazine for tetrazine ligation contains a near infrared fluorophore suitable for *in vivo* imaging.

Absorption and emission spectra of Cyanine7.5 are similar to ICG (indocyanine green), but Cyanine7.5 is significantly brighter.



**Structure of Cyanine7.5 tetrazine**



**Absorption and emission spectra of Cyanine7.5**

### General properties

Appearance:	dark colored solid
Mass spec M+ increment:	802.5
Molecular weight:	919.9
Molecular formula:	C <sub>55</sub> H <sub>58</sub> N <sub>7</sub> BF <sub>4</sub> O
Solubility:	good in DMF, DMSO, dichloromethane
Quality control:	NMR <sup>1</sup> 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:	788
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	223000
Emission maximum, nm:	808
Fluorescence quantum yield:	0.10