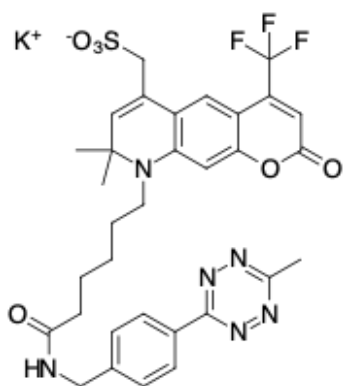


AF 430 tetrazine

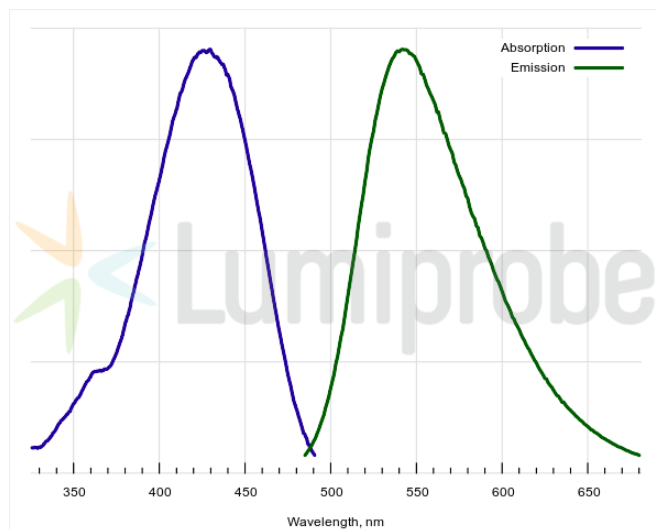
<http://www.lumiprobe.com/p/alexa-fluor-430-tetrazine>

AF 430 is a fluorescent dye. AF 430 has an excitation maximum at 430 nm and an emission maximum at 542 nm. AF 430 is one of the few dyes that absorb between 400 nm and 450 nm. AF 430 fluorescence is photostable and pH-insensitive in a broad range of pH values.

Tetrazine residue participates in the fast copper-free click reaction that is well suited to non-toxic *in vitro* cell labeling and low-concentration applications.



Structure of AF 430 tetrazine



Absorption and emission spectra of AF 430

General properties

Appearance:	dark orange solid
Mass spec M+ increment:	658.2
Molecular weight:	724.79
Molecular formula:	C ₃₂ H ₃₂ N ₆ F ₃ KO ₆ S
Solubility:	good in water, DMF, DMSO
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:	430
ϵ , L·mol ⁻¹ ·cm ⁻¹ :	15955
Emission maximum, nm:	542
Fluorescence quantum yield:	0.23