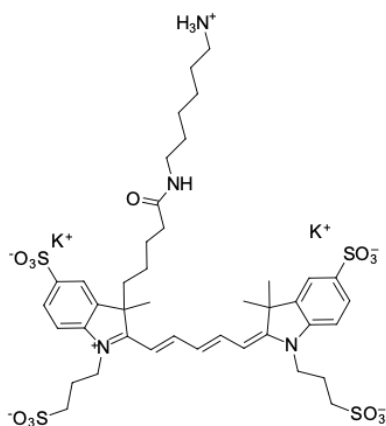


AF 647 amine

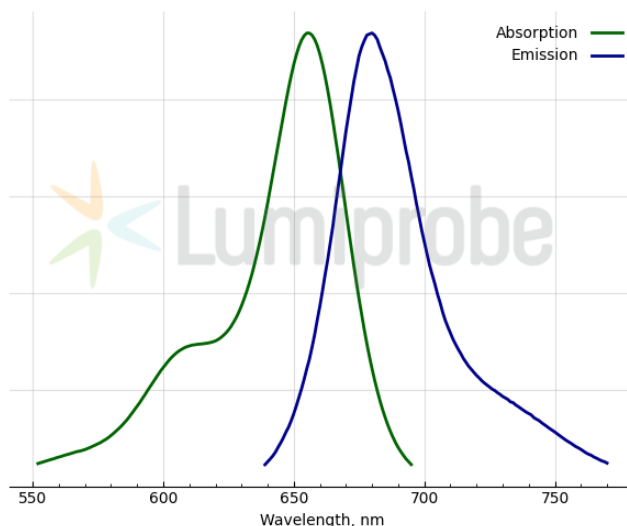
<http://www.lumiprobe.com/p/af-647-amine>

AF 647 amine is a reactive dye that contains an amino group. This reagent can be coupled with a variety of activated esters and other electrophilic reagents, for example, with EDC-activated carboxylic groups.

AF 647 is a bright, far-red-emitting fluorescent dye with high fluorescence quantum yield and photostability. AF 647 is a water-soluble, pH-insensitive dye.



Structure of AF 647 amine



Absorption and emission spectra of AF 647

General properties

Appearance:	blue powder
Molecular weight:	1019.36
Molecular formula:	C ₄₁ H ₅₆ K ₂ N ₄ O ₁₃ S ₄
Solubility:	good in water, DMSO
Quality control:	NMR ¹ H and HPLC-MS (95+%)
Storage conditions:	24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. 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:	655
ε, L·mol ⁻¹ ·cm ⁻¹ :	191800
Emission maximum, nm:	680
Fluorescence quantum yield:	0.15
CF ₂₆₀ :	0.09
CF ₂₈₀ :	0.08