

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

USA

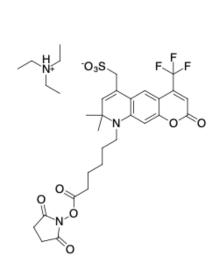
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

AF 430 NHS ester

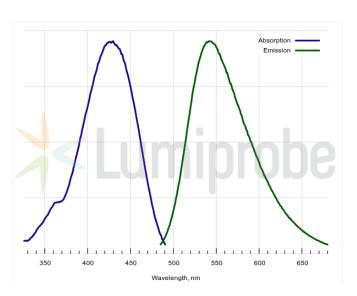
http://www.lumiprobe.com/p/af430-nhs-ester

AF 430 is a hydrophilic dye. It is used in flow cytometry and other applications.

The NHS ester functional group allows to conjugate the fluorophore efficiently with primary and secondary amine groups in both aqueous buffers and anhydrous conditions.



Structure of AF 430 NHS ester



Absorption and emission spectra of AF 430

General properties

Appearance: yellow powder

Molecular weight: 701.75

CAS number: 467233-94-9 Molecular formula: $C_{32}H_{42}N_3F_3O_9S$

Solubility: good in water, DMF, DMSO Quality control: NMR ¹H, HPLC-MS (95%)

Storage conditions: Storage: 12 months after receival 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 CF_{260} : 0,59 CF_{280} : 0,24