

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

USA

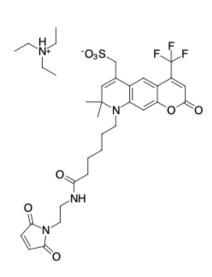
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

AF 430 maleimide

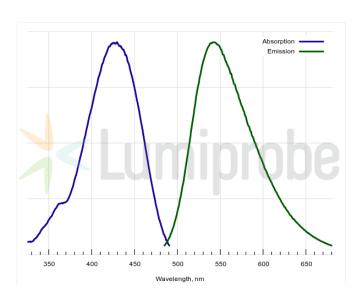
http://www.lumiprobe.com/p/af-430-maleimide

AF 430 is a hydrophilic dye of a coumarin nature. The dye is used in flow cytometry.

This maleimide derivative is reactive against thiol groups. Therefore, it allows labeling of many proteins, including those residing on the cell surface.



Structure of AF 430 maleimide



Absorption and emission spectra of AF 430

General properties

yellow solid Appearance: Mass spec M+ 625.2 increment: Molecular weight: Molecular formula: $C_{34}H_{45}N_4F_3O_8S$

IUPAC name:

Solubility: soluble in water, polar organic solvents (DMF, DMSO)

Quality control: NMR ¹H, HPLC-MS (95%)

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. Storage conditions:

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 430

maximum, nm:

 ϵ , L·mol⁻¹·cm⁻¹: 15955 Emission maximum, 542

0.23 Fluorescence quantum yield: