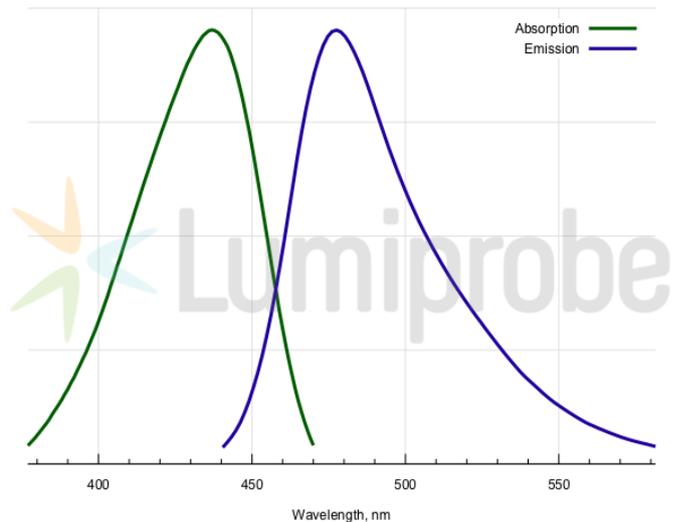
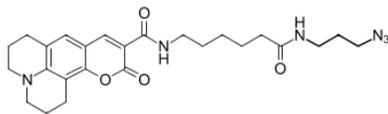


AF 343 (Coumarin) X azide

<http://hk.lumiprobe.com/p/coumarin-343-x-azide>

AF 343 (Coumarin) is a blue emitting fluorophore with an emission maximum of around 480 nm. This dye forms a FRET pair with fluorescein and can harvest blue light energy for the subsequent transfer to other fluorophores.

The azide derivative can be conjugated with alkynes in copper-catalyzed and copper-free click reactions. The molecule contains a long aminohexanoyl linker that provides separation between the dye and the azide function.



外观:

质谱 480.3

M+

增量:

分子 480.56

量:

分子 $C_{25}H_{32}N_6O_4$

式:

IUPAC 名称: 5-[[6-(3-Azidopropylamino)-6-oxohexylamino]carbonyl]-3-oxa-13-azatetracyclo[7.7.1.0.2,7.0.13,17]heptadeca-1,5,7,9(17)-tetraen-4-one

溶解

度:

质量

控制:

储存

条件:

激发/ 437

吸收

极大

值,

纳米:

ϵ , 摩 39000

尔吸

光系

数 m

发射 477

极大

值,

纳米:

荧光 0.63

量子

产率:

CF₂₆₀: 0.29

CF₂₈₀: 0.24