



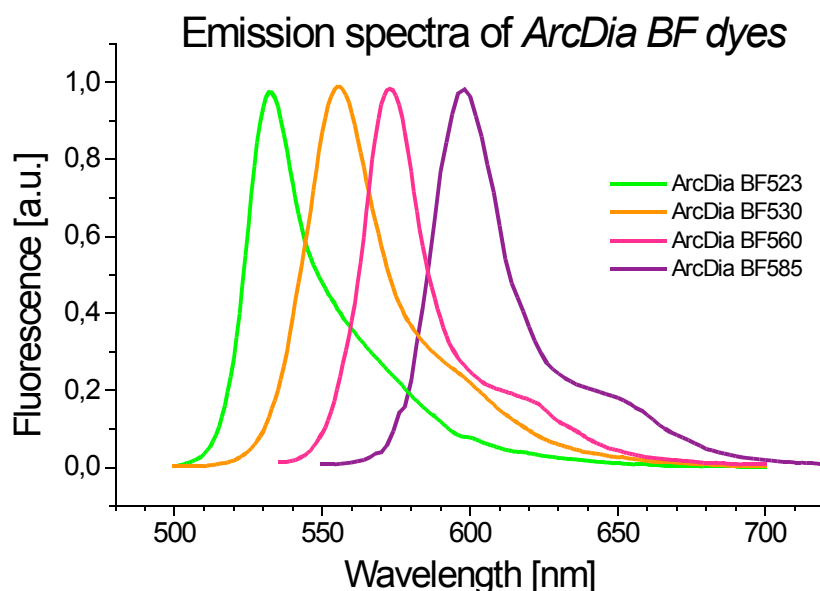
ArcDia BF – Fluorescent dyes
Product list

ArcDia Bright Fluorescent Dyes

ArcDia has developed a series of unique *Bright Fluorescent Dyes* – *ArcDia BF dyes* that have exceptionally high solubility to aqueous solutions and still retaining high fluorescence yield. The *ArcDia BF dyes* are targeted for use in bionalytical research applications, for example, for fluorescence polarisation assays. Due to their excellent fluorescence properties they are applicable also for other fields of fluorescence applications like multi-photon excitation applications.

The *ArcDia BF dyes* are currently available as amine reactive succinimidyl esters (NHS esters) for labelling of proteins, peptides, aminommodified oligonucleotides, haptens etc.

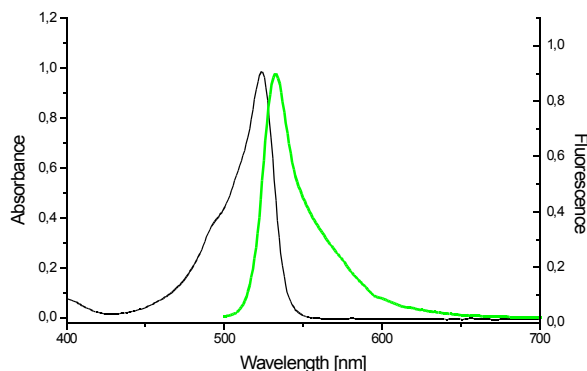
Other derivatives like maleimides and biotin conjugates available upon request.



Low Molecular Weight	< 1 kD
Sharp Emission Bands	
High Quantum Efficiency	> 0.5
Excellent solubility to aqueous solutions	
Fluorescence Lifetime	2-5 ns

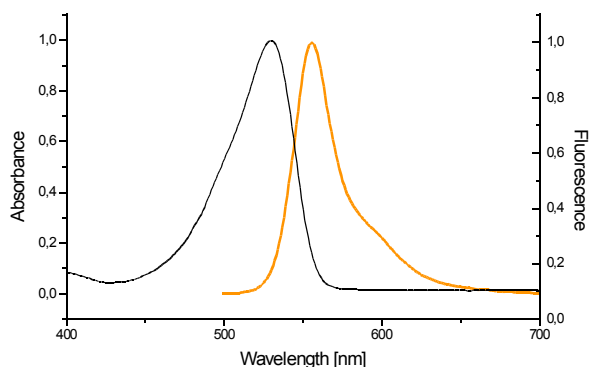
ArcDia BF 523

- λ_{Abs} (MeOH) = 523 nm
- λ_{Em} (MeOH) = 530 nm
- ϵ (MeOH) = 75 000 $\text{cm}^{-1}\text{M}^{-1}$
- ϕ (MeOH) = 0.91
- Available as NHS-ester*



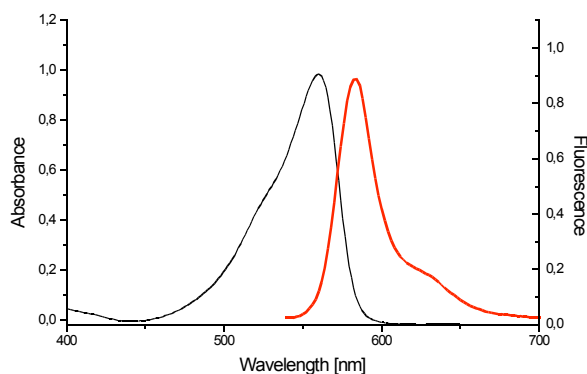
ArcDia BF 530

- λ_{Abs} (MeOH) = 530 nm
- λ_{Em} (MeOH) = 552 nm
- ϵ (MeOH) = 64 000 $\text{cm}^{-1}\text{M}^{-1}$
- ϕ (MeOH) = 0.72
- Available as NHS-ester*



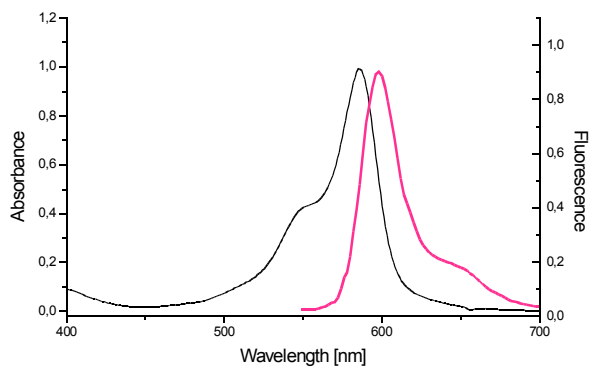
ArcDia BF 560

- λ_{Abs} (MeOH) = 560 nm
- λ_{Em} (MeOH) = 576 nm
- ϵ (MeOH) = 82 000 $\text{cm}^{-1}\text{M}^{-1}$
- ϕ (MeOH) = 0.82
- Available as NHS-ester*



ArcDia BF 585

- λ_{Abs} (MeOH) = 585 nm
- λ_{Em} (MeOH) = 600 nm
- ϵ (MeOH) = 83 000 $\text{cm}^{-1}\text{M}^{-1}$
- ϕ (MeOH) = 0.50
- Available as NHS-ester*



* Maleimide-, carboxylic acid-, amino- and biotin derivatives available upon request.
Pricing for licensing and for larger quantities upon request.
Products for research use only



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