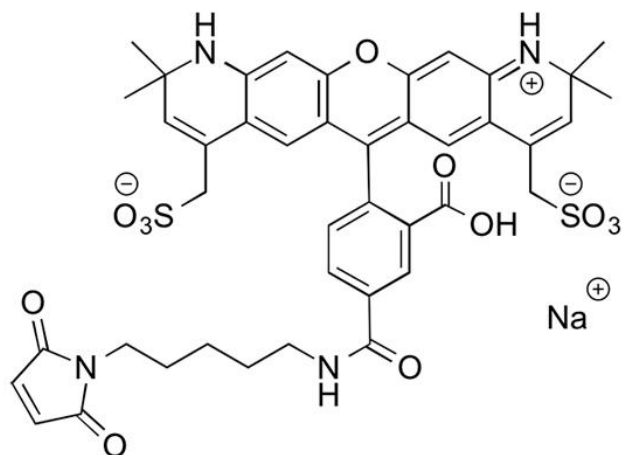
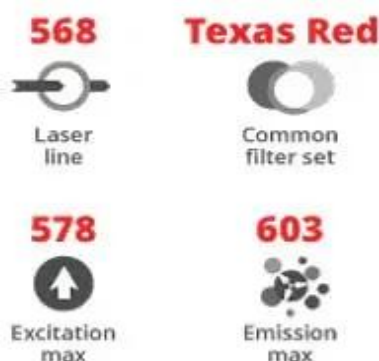


AZDYE 568 MALEIMIDE

SKU: FP-1082



Description

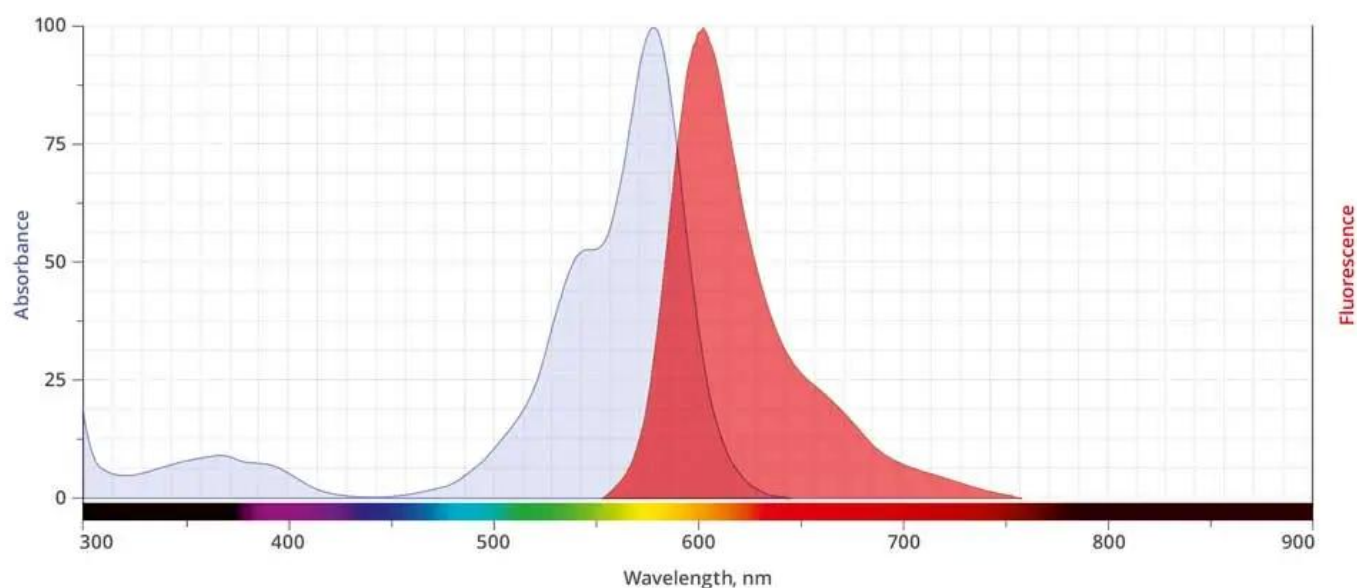


AZDye™ 568 Maleimide is a bright, and highly photostable, orange-fluorescent probe optimally excited by the 568 nm laser line on the Ar-Kr mixed-gas laser. AZDye™ 568 Maleimide is water-soluble and its fluorescence is pH independent over a wide pH range. The brightness and photostability of this dye are best suited to direct imaging of low-abundance targets.

Maleimide is the most popular sulfhydryl-reactive reactive group for conjugating the dye to a thiol group on a protein, oligonucleotide thiophosphate, or low molecular weight ligand. The maleimide group specifically and efficiently reacts with reduced thiols (sulfhydryl groups, -SH) at pH 6.5 to 7.5 to form stable thioether bond. The resulting conjugates exhibit brighter

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fluorescence and greater photostability than the conjugates of many other spectrally similar fluorophores.



Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Primary amine
Abs/Em Maxima	575/600 nm
Extinction coefficient	92,000 cm ⁻¹ M ⁻¹
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Alexa Fluor® 568, CF™ 568
Molecular weight	857.93
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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