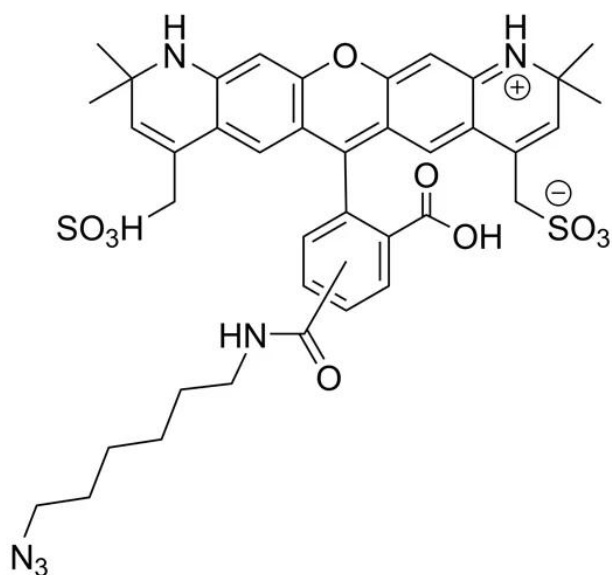




## AZDYE 568 AZIDE

**SKU:** CCT-1291



## DESCRIPTION

AZDye™ 568 Azide is a bright, red-fluorescent azide-activated probe that reacts with terminal alkynes via a copper-catalyzed click reaction (CuAAC). It also reacts with strained cyclooctyne via a copper-free click chemistry reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures.

AZDye 568™ is a bright, and highly photostable, orange-fluorescent probe optimally excited by the 568 nm laser line on the Ar-Kr mixed-gas laser. This probe 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. AZDye™ 568 dye structurally is identical to Alexa Fluor® 568 Dye. Its absorption/emission spectra is a perfect match to spectra of many other fluorescent dyes based on sulfonated rhodamine core, including CF® 568 Dye and Alexa Fluor® 568.

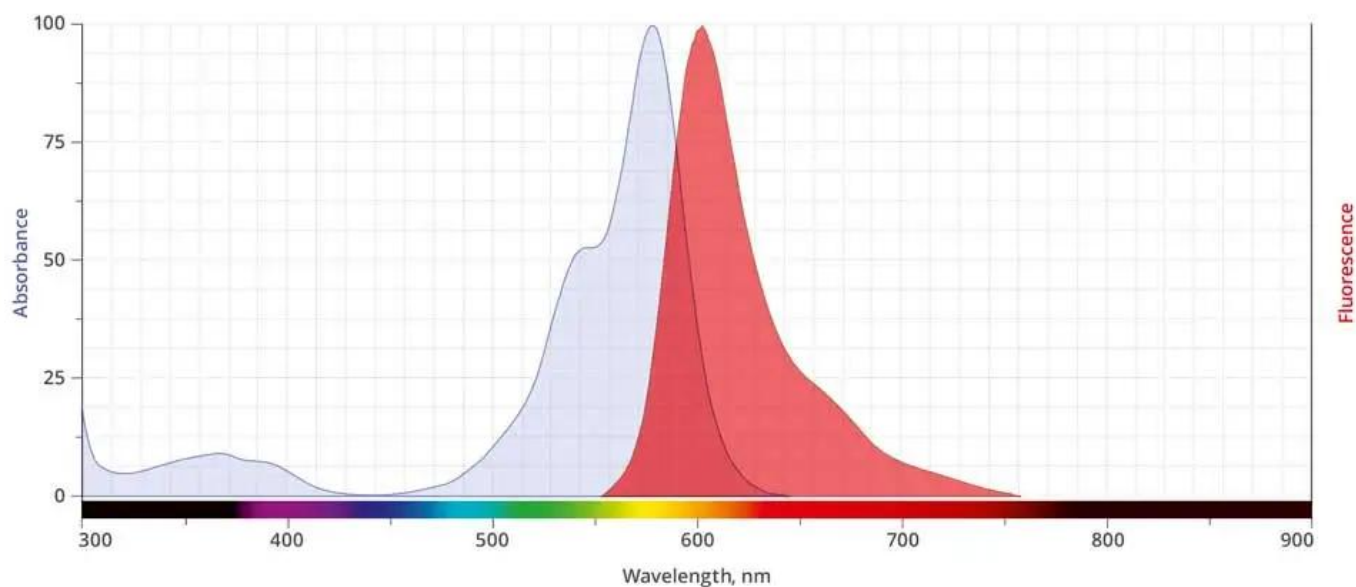
**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**



## SPECIFICATIONS

|                                    |                           |
|------------------------------------|---------------------------|
| <b>CAS Number</b>                  | N/A                       |
| <b>Molecular Weight</b>            | 818.92                    |
| <b>Appearance</b>                  | Blue solid                |
| <b>Extinction Coefficient</b>      | 88,000                    |
| <b>Purity</b>                      | >95% (HPLC)               |
| <b>Unit Size</b>                   | 1 mg, 5 mg, 25 mg         |
| <b>Solubility</b>                  | Water, DMSO, DMF          |
| <b>Storage Instructions</b>        | -20°C. Desiccate          |
| <b>Spectrally Similar Dyes</b>     | Alexa Fluor® 568, CF® 568 |
| <b>Laser Line</b>                  | 532 nm or 568 nm          |
| <b>Excitation/Emission Maximum</b> | 578/602 nm                |
| <b>Shipping Conditions</b>         | Ambient temperature       |
| <b>Shipping Instructions</b>       | Ambient temperature       |

## ABS/EM SPECTRA



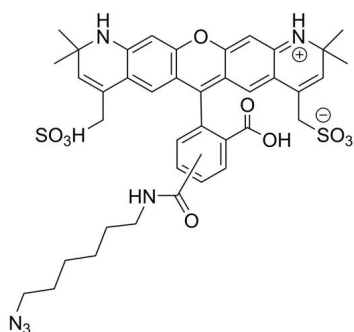
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## DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
- [Datasheet](#)

## GALLERY IMAGES



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