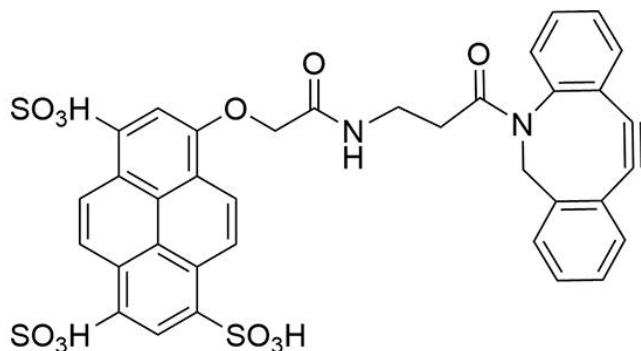


# AZDYE 405 DBCO

**SKU:** CCT-1310



## Description

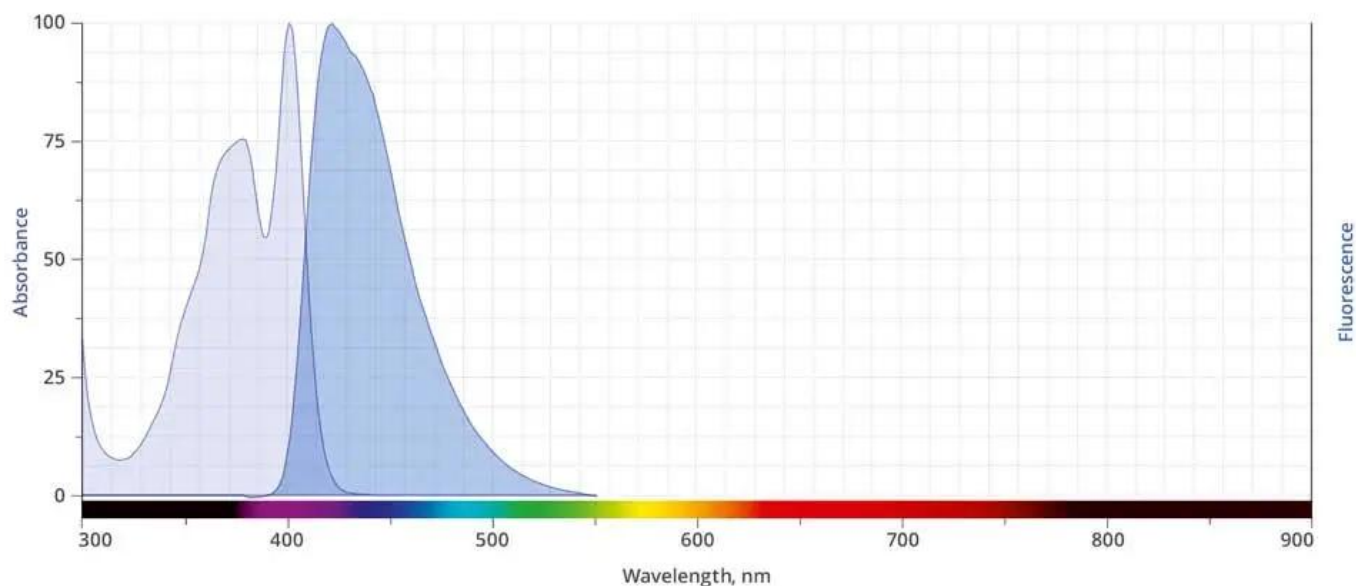
AZDye™ 405 DBCO reacts with azides via a copper-free “click chemistry” reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures. In application where the presence of copper is a concern AZDye™ 405 DBCO is an ideal alternative to copper requiring fluorescent alkynes.

AZDye™ 405 is a bright, blue-fluorescent probe optimally excited by the 407 nm spectral line of the krypton laser or the 408 nm violet laser diode. 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 moderate-abundance targets.

AZDye™ 405 is structurally similar to Alexa Fluor® 405, and spectrally is a match to [DyLight® 405](#), [Alexa Fluor® 405](#), [CF® 405S Dye](#), or any other pyrene-based fluorescent dyes.

[DyLight®](#) and [Alexa Fluor®](#) are a registered trademarks of Thermo Fisher Scientific. [CF® Dye](#) is a registered trademark of [Biotium, Inc](#)

**For research use only. Not intended for animal or human therapeutic or diagnostic use.**



Abs/Em Spectra

## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg
<b>Abs/Em Maxima</b>	402/424 nm
<b>Extinction Coefficient</b>	35,000
<b>Flow Cytometry Laser Line</b>	405 nm
<b>Microscopy Laser Line</b>	405 nm
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 405, CF® 405, Cascade Blue®, DyLight® 405
<b>Molecular weight</b>	774.79
<b>CAS</b>	N/A
<b>Solubility</b>	Water, DMSO, DMF
<b>Purity</b>	>95% (HPLC)
<b>Appearance</b>	Yellow solid
<b>Storage Conditions</b>	-20°C. Desiccate
<b>Shipping Conditions</b>	Ambient temperature

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