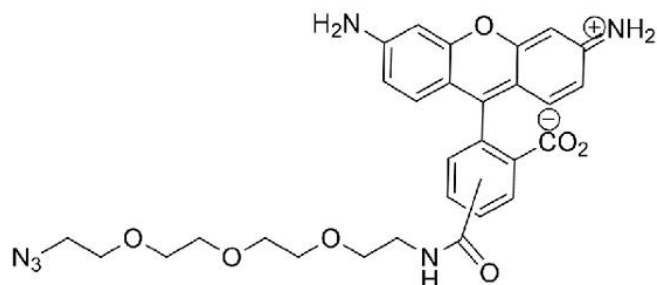


CARBOXYRHODAMINE 110 AZIDE

SKU: CCT-AZ105

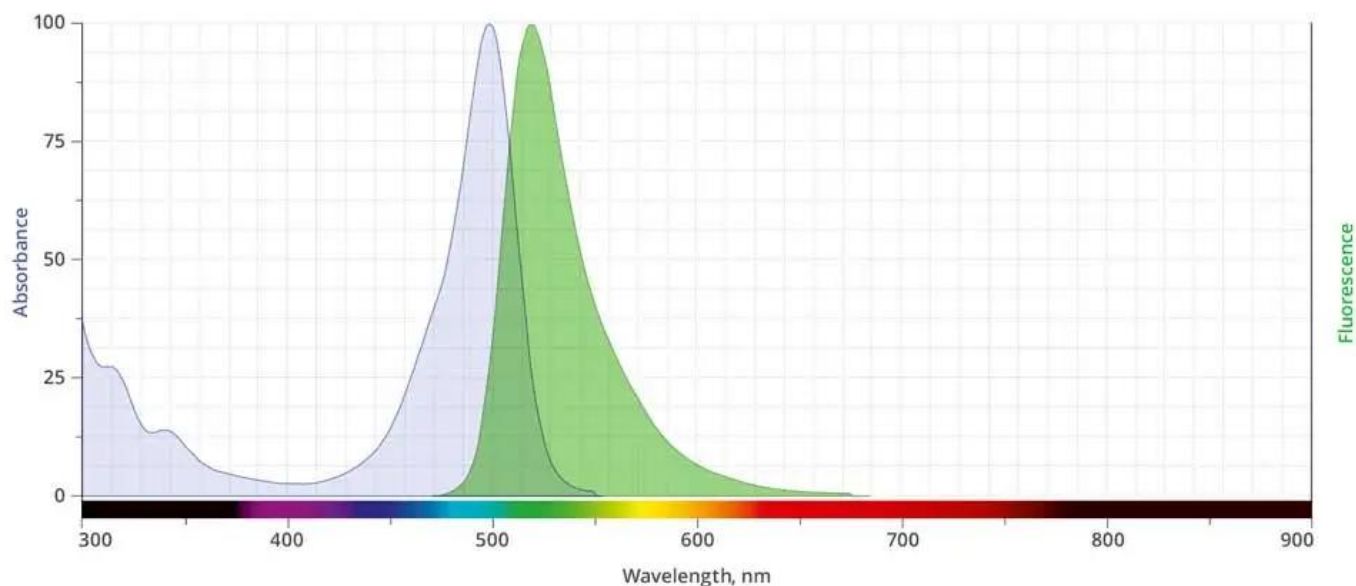


Description

5(6)-Carboxyrhodamine 110 Azide (also known as Rhodamine Green) is photostable, green-fluorescent 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.

5(6)-Carboxyrhodamine 110 (also known as Rhodamine Green) is the nonsulfonated analog of the Alexa Fluor® 488 dye with excitation/emission maxima ~502/527 nm. Carboxyrhodamine 110 is bright photostable and pH-insensitive from pH 4 to pH 10 dye. This probe can be used with the 488 nm line of argon-ion laser and standard FITC filter set.

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



Abs/Em Spectra

Specifications

| | |
|----------------------------------|---|
| Unit Size | 1 mg, 5 mg, 25 mg, 100 mg |
| Abs/Em Maxima | 501/523 nm |
| Extinction Coefficient | 74,000 |
| Flow Cytometry Laser Line | 488 nm |
| Microscopy Laser Line | 488 nm |
| Spectrally Similar Dyes | Fluorescein, Alexa Fluor® 488, DyLight® 488 |
| Molecular weight | 575.59 |
| CAS | N/A |
| Solubility | DMSO, DMF |
| Purity | >95% (HPLC) |
| Appearance | Red solid |
| Storage Conditions | -20°C |
| Shipping Conditions | Ambient temperature |

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