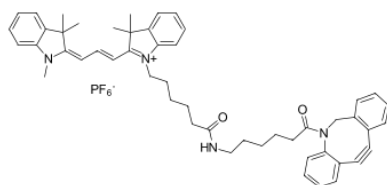


Cyanine3 DBCO

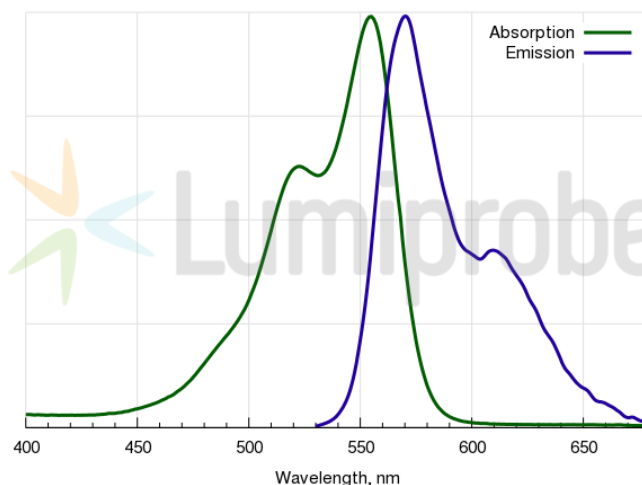
<http://www.lumiprobe.com/p/cy3-dbc>

Azodibenzocyclooctyne (DBCO or ADIBO) is a stable but very reactive cycloalkyne for copper-free click chemistry.

This reagent is a conjugate of DBCO with Cyanine3 fluorophore for the non-catalyzed, strain promoted reaction with azides.



Structure of Cyanine3 DBCO



Absorption and emission spectra of Cyanine3 fluorophore

General properties

Appearance:	dark red powder
Molecular weight:	902.99
CAS number:	2692677-79-3
Molecular formula:	C ₅₁ H ₅₇ N ₄ O ₂ PF ₆
Solubility:	good in DMF, DMSO, DCM, alcohols, practically insoluble in water (< 1 uM, < 1 mg/L)
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	555
ε, L·mol ⁻¹ ·cm ⁻¹ :	150000
Emission maximum, nm:	570
Fluorescence quantum yield:	0.31