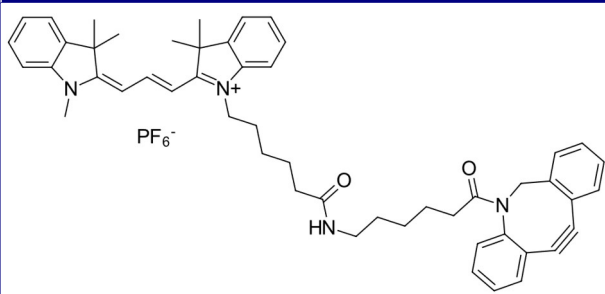
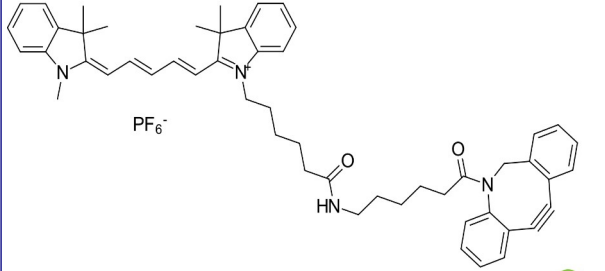
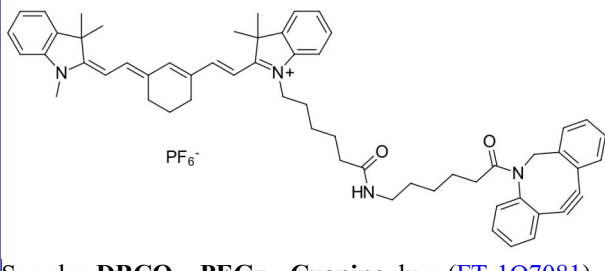


FT-AWHFX0



CYanine - DBCO

Cyanine dyes activated by DBCO for fluorescent labeling of biomolecules by copper-free click chemistry

Product name cat.number/qty [§]	MW g·mol ⁻¹ (+added MW)	λ abs./em. nm	mol. abs. M ⁻¹ cm ⁻¹	Comment, structure
CYanine3 – DBCO FP-WXS880, 1mg (M) Apparence: dark red powder Soluble in DMF, DMSO, DCM, alcohols, practically insoluble in water (< 1 uM, < 1 mg/L) See also DiSulfo- (B35TA1) and Tri-Sulfo (1C8721) CY3-DBCO	902.99 0	555/570	150 000 QY:0.31 CF ₂₆₀ :0.04 CF ₂₈₀ :0.09	
CYanine5 – DBCO FP-AWHFX0, 1mg (M) Apparence: red to brown solid Soluble in DMF, DMSO, chlorinated organic solvents, practically insoluble in water (<1 uM, < 1 mg/L) See also DiSulfo- (inquire) and TriSulfo- (1C8731), TetraSulfo- (MRV030) CY5-DBCO	929.03 (928.4)	624/662	250 000 QY:0.2 CF ₂₆₀ :0.03 CF ₂₈₀ :0.04	
CYanine5.5 – DBCO FP-B35T30, 1mg (M) Apparence: dark colored solid Soluble in DMF, DMSO, chlorinated organic solvents See also DiSulfo- (B43110), TriSulfo(Inquire), TetraSulfo (MRV030) CY5-DBCO	1029.44 (882.5)	684/710	209 000 QY:0.2 CF ₂₆₀ :0.07 CF ₂₈₀ :0.03	
CYanine7 – DBCO FP-AWHG00, 1mg (M) Apparence: dark green solid Soluble in DMF, DMSO, DCM See also DiSulfo- () and TriSulfo- (), TetraSulfo- (MRV040) CY7-DBCO	885.62 (849.5)	750/773	199 000 QY:0.3 CF ₂₆₀ :0.022 CF ₂₈₀ :0.029	

See also DBCO – PEGx - Cyanine dyes ([FT-1Q7081](#))
(1 to 40KDa)

[§]check on line for other sizes – change last digit of cat.number 0.1mg, 1.5mg, 2.10mg, 3.25mg, 4.50mg, 5.100mg*

Storage: –20°C, protected from light. Avoid prolonged exposure to light. Desiccate.
Stable for 12 months at -20°C in the dark, and +1 week at room temperature.

Guide lines for use

See the technical sheet [FT-DQP580](#) for click chemistry protocol using DBCO.

See also the technical sheet [FT-FY2780](#) for standard Click Chemistry information and protocols, including Click Chemistry Labeling of Oligonucleotides and DNA.

FT-AWHFX0

Related products

* Alternative fluorescent dyes:

- **FluoProbes dyes** (Superior brightness and photostability, i.e. FP488 functionalized by –NHS ([BA6800](#)), –Azide ([YE4970](#)), –Maleimide ([BA6810](#)), –Alkyne ([BA6810](#)),
- **CY_{anine}** functionalized by **Azide** ([HO7250](#))
- **BrDIPY dyes** functionalized by **DBCO** ([B35T42](#))
- **AF dyes** functionalized by **NHS** ([R08112](#)), **Azide** ([AXCJ91](#)), **Alkyne** ([AXCECA](#)), **DBCO** ([AXCECA](#)), **Maleimide** ([820731](#)), **Hydrazide** ([846631](#)), **Amine** (), **Carboxyl** ()
- Classic dyes such as **FAM**, **R110**, **JOE**, **TAMRA**, and **ROX**.

* Other labeling/conjugation chemistries: • [Click Chemistry reagents](#)

CYanines – Tetrazine ([WXS720](#)), dont le Cy5 #AWHNE0 et sulfonés #AW2HNH0,0B1770/AS4K70)

Ordering information

Catalog size quantities and prices may be found at www.interchim.com/

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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