

**SUMMARY**

shipped at RT;

For research use only

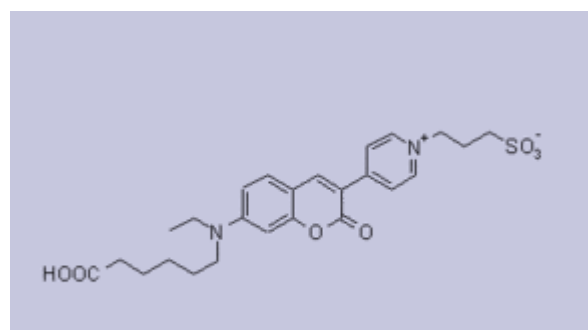
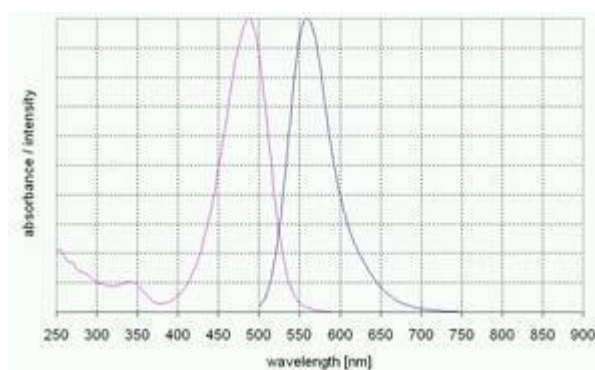

**Absorption / emission max.:**  
 485 nm / 560 nm (in Ethanol)

**Molar absorbance:**  
 50.000 M<sup>-1</sup>cm<sup>-1</sup>
**Comments:**

- Soluble in methanol, ethanol, DMF, DMSO
- Suitable for protein labeling microarray experiments, FisH microscopy, gel electrophoresis

**Available Modifications**

Available Modifications	Molecular Weight (g · mol <sup>-1</sup> )	Molecular formula
Carboxylic acid	502.59	C <sub>25</sub> H <sub>30</sub> N <sub>2</sub> O <sub>7</sub> S
NHS-ester	599.67	C <sub>29</sub> H <sub>33</sub> N <sub>3</sub> O <sub>9</sub> S
Amino-derivative	581.13	C <sub>27</sub> H <sub>37</sub> N <sub>4</sub> O <sub>6</sub> SCI
Maleimide	624.72	C <sub>31</sub> H <sub>36</sub> N <sub>4</sub> O <sub>8</sub> S
dUTP	1031.53	C <sub>37</sub> H <sub>44</sub> N <sub>5</sub> O <sub>20</sub> P <sub>3</sub> S * 4Li

**Diagram, Formel**

### Literature

Kempf C., Staudt T., Bingen P., Horstmann H., Engelhardt J., Hell S. W., Kuner T., Tissue Multicolor STED Nanoscopy of Presynaptic Proteins in the Calyx of Held, PLoS ONE 8(4): e62893.

Dean C., Liu H., Staudt T., Stahlberg M. A., Vingill S., Bückers J., Kamin D., Engelhardt J., Jackson M. B., Hell S. W., Chapman E.R., Distinct Subsets of Syt-IV/BDNF Vesicles Are Sorted to Axons versus Dendrites and Recruited to Synapses by Activity, The Journal of Neuroscience, 32(16)(2012)5398-5413.

Staudt T., Lang M. C., Medda R., Engelhardt J., Hell S. W., 2,2'-Thiodiethanol: A new water soluble mounting medium for high resolution optical microscopy, Microscopy Research and Technique, 70(2007)1-9.

### Order Information, Shipping and Storage

Order#	Product	Quantity
MFP-D485XL-00-1	MFP™-DY-485XL-Carboxylic Acid	1 mg
shipped at RT; store at RT		
MFP-D485XL-01-1	MFP™-DY-485XL-NHS-Ester	1 mg
shipped at RT; store at 4 °C		
MFP-D485XL-02	MFP™-DY-485XL-Amino function	1 mg
MFP-D485XL-03-2	MFP™-DY-485XL-Maleimide	1 mg
MFP-D485XL-30-2	MFP™-DY-485XL-Biotin	1 mg
shipped at RT; store at RT		
MFP-D485XL-33	MFP™-DY-485XL-Phalloidin	300 units
shipped at RT; store at 4 °C		
MFP-D485XL-34	MFP™-DY-485XL-dUTP	100 nmol
shipped on blue ice; store at -20 °C		

### Contact and Support

MoBiTec GmbH ● Lotzestrasse 22a ● D-37083 Goettingen ● Germany

#### Customer Service – General inquiries & orders

phone: +49 (0)551 707 22 0  
fax: +49 (0)551 707 22 22  
e-mail: order@mobitec.com

#### Technical Service – Product information

phone: +49 (0)551 707 22 70  
fax: +49 (0)551 707 22 77  
e-mail: info@mobitec.com

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