

### SUMMARY

shipped at RT

For research use only

#### Absorption / emission max.:

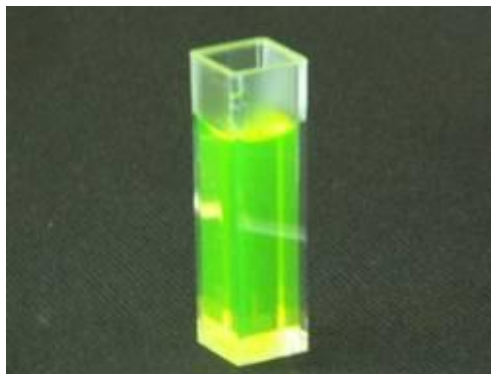
491 nm / 515 nm (in PBS)

#### Molar absorbance:

73.000 M<sup>-1</sup>cm<sup>-1</sup>

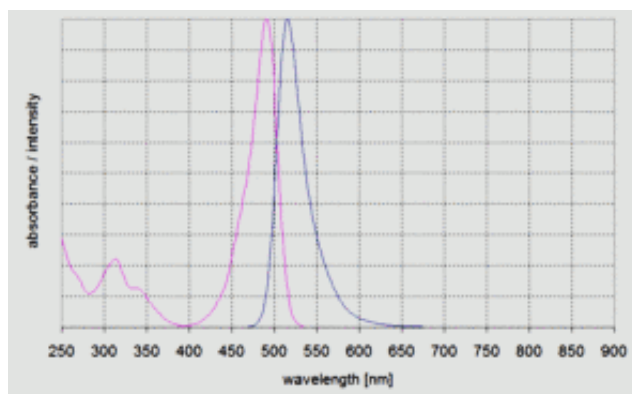
Comments:

- alternative to AlexaFlour™ 488
- Soluble in water, methanol
- bright green, pH-stable emission
- suitable for flow cytometry, FisH microscopy, gel electrophoresis



### Available Modifications

Available Modifications	Molecular Weight (g • mol <sup>-1</sup> )	Molecular formula
Carboxylic acid	769.66	C <sub>24</sub> H <sub>22</sub> N <sub>3</sub> O <sub>13</sub> S <sub>3</sub> * CF <sub>3</sub> COO
NHS-ester	1011.20	C <sub>28</sub> H <sub>22</sub> N <sub>4</sub> O <sub>15</sub> S <sub>3</sub> * 2 C <sub>8</sub> H <sub>20</sub> N
Maleimide	799.74	C <sub>30</sub> H <sub>26</sub> N <sub>5</sub> O <sub>14</sub> S <sub>3</sub> * Na
Phalloidin	1582.65	C <sub>65</sub> H <sub>77</sub> N <sub>13</sub> O <sub>23</sub> S <sub>4</sub> * 2 Na
Amino-derivative	925.78	C <sub>26</sub> H <sub>22</sub> N <sub>5</sub> O <sub>12</sub> S <sub>3</sub> * 2 CF <sub>3</sub> COO
dUTP	1309.60	C <sub>42</sub> H <sub>44</sub> N <sub>7</sub> O <sub>27</sub> P <sub>3</sub> S <sub>3</sub> * 6 Li



### Literature

Miyashita S.-I., Sagane Y., Niwa K., Watanabe T., Transport of the botulinum neurotoxin–associating protein, nontoxic nonhemagglutinin, across the rat small intestinal epithelial cell monolayer, 2013, DOI: 10.1111/1574-6968.12205.

Yoshida H., Nagai K., Induction of apoptotic cell death preferentially in reactive astrocytes by concanavalin A, Journal of bioscience and bioengineering , 108(2009)179-266.

### Order Information, Shipping and Storage

Order#	Product	Quantity
MFP-D490-00-1	MFP™-DY-490-Carboxylic acid	1mg
shipped at RT; store at RT		
MFP-D490-01-1	MFP™-DY-490-NHS-Ester	1mg
shipped at RT; store at 4 °C		
MFP-D490-02	MFP™-DY-490-aminomodified	1mg
shipped at RT; store at RT		
MFP-D490-06	MFP™-DY-490-TFP-Ester	1mg
shipped at RT; store at 4 °C		
MFP-D490-30-2	MFP™-DY-490-Biotin	1mg
MFP-D490-03-2	MFP™-DY-490-Maleimide	1mg
shipped at RT; store at RT		
MFP-D490-33	MFP™-DY-490-Phalloidin	1mg
shipped at RT; store at 4 °C		
MFP-D490-34	MFP™-DY-490-dUTP	100 nmol
shipped on blue ice; store at -20 °C		

### Contact and Support

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#### Customer Service – General inquiries & orders

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#### Technical Service – Product information

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**MoBiTec in your area:** Find your local distributor at [www.mobitec.com](http://www.mobitec.com)