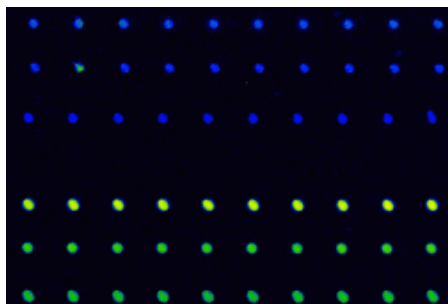


### SUMMARY

shipped at RT;

For research use only



**Absorption / emission max.:**  
637 nm / 657 nm (in Ethanol)

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

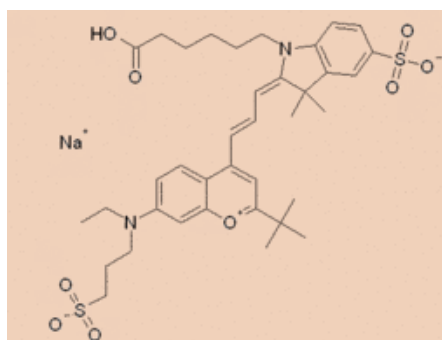
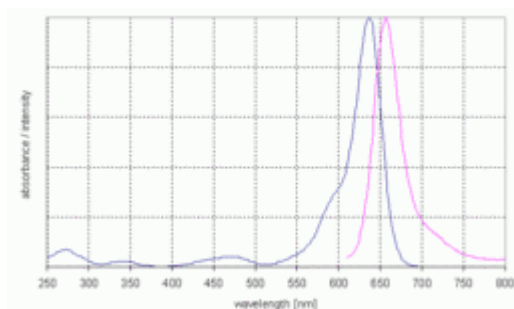
### Comments:

- Soluble in water, methanol, DMF, DMSO
- Bright solid state emission
- Suitable for protein labeling, microarray experiments, Fish microscopy, gel electrophoresis
- Negative charge
- Improved water solubility

### Available Modifications

Available Modifications	Molecular Weight (g • mol <sup>-1</sup> )	Molecular formula
Carboxylic acid	750.91	C <sub>37</sub> H <sub>47</sub> N <sub>2</sub> O <sub>9</sub> S <sub>2</sub> Na
NHS-ester	847.98	C <sub>41</sub> H <sub>50</sub> N <sub>3</sub> O <sub>11</sub> S <sub>2</sub> Na
Amino-derivative	771.02	C <sub>39</sub> H <sub>54</sub> N <sub>4</sub> O <sub>8</sub> S <sub>2</sub>
Maleimide	873.04	C <sub>43</sub> H <sub>53</sub> N <sub>4</sub> O <sub>10</sub> S <sub>2</sub> Na
Phalloidin	1520.80	C <sub>72</sub> H <sub>94</sub> N <sub>11</sub> O <sub>18</sub> S <sub>3</sub> Na
dUTP	1263.80	C <sub>49</sub> H <sub>61</sub> N <sub>5</sub> O <sub>22</sub> P <sub>3</sub> S <sub>2</sub> * 5Li

### Diagram, Formel



### Literature

Rinne J., Albarran B., Jylhävä J., Ihalainen T. O., Kankaanpää P., Hytönen V. P., Stayton P. S., Kulomaa M. S., Vihinen-Ranta M., Internalization of novel non-viral vector TAT-streptavidin into human cells, BMC Biotechnology 7(2007)1.

Moger J., Gribbon P., Sewing A., Winlove C. P., The Application of Fluorescence Lifetime Readouts in High-Throughput Screening, Journal of Biomolecular Screening (2006)765-772.

Volkmer T., Becker C., Prodöhl A., Finger C., Schneider D., Assembly of a transmembrane b-Type cytochrome is mainly driven by transmembrane helix interactions, Biochimica et Biophysica Acta 1758 (2006)1815–1822.

### Order Information, Shipping and Storage

Order#	Product	Quantity
MFP-D633-00-1	MFP™-DY-633-Carboxylic Acid	1 mg
shipped at RT; store at RT		
MFP-D633-01-1	MFP™-DY-633-NHS-Ester	1 mg
shipped at RT; store at 4 °C		
MFP-D633-02	MFP™-DY-633-Amino function	1 mg
MFP-D633-03-2	MFP™-DY-633-Maleimide	1 mg
shipped at RT; store at RT		
MFP-D633-30-2	MFP™-DY-633-Biotin	1 mg
shipped at RT; store at RT		
MFP-D633-33	MFP™-DY-633-Phalloidin	300 units
shipped at RT; store at 4 °C		
MFP-D633-34	MFP™-DY-633-dUTP	100 nmol
shipped on blue ice; store at -20 °C		

### Contact and Support

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