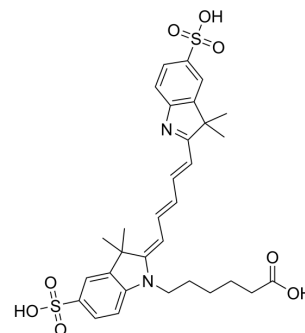


## CypHer 5

Cat. No.:	HY-D1563
CAS No.:	312961-83-4
Molecular Formula:	C <sub>31</sub> H <sub>36</sub> N <sub>2</sub> O <sub>8</sub> S <sub>2</sub>
Molecular Weight:	628.76
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

CypHer 5 is a pH-sensitive cyanine derivative and an environmental sensitive fluorophore. CypHer 5 has a pH-sensitive maximal absorption at 644 nm and emission at 664 nm. CypHer 5 has been used as a pH sensor of lysosomal compartments [1].

### REFERENCES

[1]. Patrick MJ, et al. Intracellular pH measurements using perfluorocarbon nanoemulsions. J Am Chem Soc. 2013 Dec 11;135(49):18445-57.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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