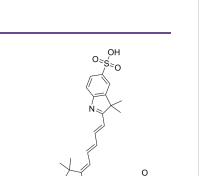
## CypHer 5

MedChemExpress

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:	<b>4°C, protect from light</b> * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



Product Data Sheet

BIOLOGICAL ACTIVITY	
Description	CypHer 5 is a pH-sensitive cyanine derivative and a 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 <sup>[1]</sup> .

## 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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