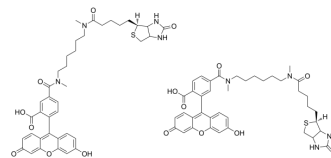


Flubi-2

Cat. No.:	HY-D1687
Molecular Formula:	C ₇₈ H ₈₈ N ₈ O ₁₆ S ₂
Molecular Weight:	728.85
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Flubi-2 is a fluorescein-biotin based pH-ratio dye (Ex=480 nm, Em= 520-560 nm) with a pK value of 6.7. Flubi-2 is a hydrolysis product of Flubida-2 (non-fluorescent, membrane permeable). Flubi-2 can be used for pH determination of organelles of the secretory pathway (such as golgi apparatus and endoplasmic reticulum) in living cells^{[1][2]}.

REFERENCES

- [1]. Wu MM, et al. Studying organelle physiology with fusion protein-targeted avidin and fluorescent biotin conjugates. *Methods Enzymol.* 2000;327:546-64.
- [2]. Wu MM, et al. Organelle pH studies using targeted avidin and fluorescein-biotin. *Chem Biol.* 2000 Mar;7(3):197-209.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA