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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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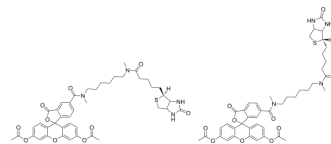
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Flubida-2

Cat. No.:	HY-D1688
Molecular Formula:	C ₈₆ H ₉₆ N ₈ O ₂₀ S ₂
Molecular Weight:	812.93
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Flubida-2 is a cell permeable dye which can be hydrolyzed to Fubi-2 by endoesterases in cells (after hydrolysis, Ex=492 nm, Em=517 nm). Flubida-2 can be used to detect pH at a specific site in a cell organelle by directing the probe to where avidin fusion proteins are located ^[1] .
In Vitro	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs)^[1].</p> <ol style="list-style-type: none"> 1. Dissolve Flubida-2 in DMSO (approximately 2 mM). 2. Mix the stock solution 1: 1 with 20% (w/v in DMSO) Pluronic F-127 (Molecular Probes), and dilute to the desired final concentration (2-4 μM) with serum-free DMEM. 3. 30 to 48 h post-transfection with either AV-KDEL or ST-AV DNA, HeLa cells are rinsed once with serum-free DMEM and loaded with 2-4 μM Flubida-2 for 3-5 h (or overnight for 10-15 h). 4. Chase the labeled cells with normal growth medium for at least 2 h, to allow excess dye-biotin to exit from the cytosol. 5. The strong avidin-biotin interaction ensures stable, specific avidin-Flubi- binding that resisted washing. Biotin starvation of the cells is not necessary before Flubida- loading, as staining was bright and stable. <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. M M Wu, et al. Studying organelle physiology with fusion protein-targeted avidin and fluorescent biotin conjugates. *Methods Enzymol.* 2000;327:546-64.

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

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