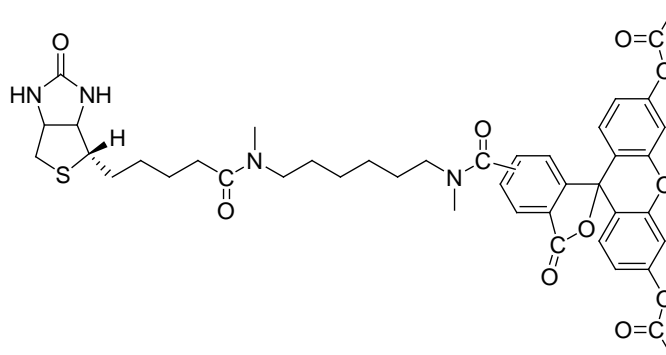


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** Flubida-2**CATALOG #:** 51022**MOLECULAR INFORMATION:** C<sub>43</sub>H<sub>48</sub>N<sub>4</sub>O<sub>10</sub>S  
Mwt: 812.93**PROPERTIES:**

**Color & Form** Off-white solid  
**Purity** ≥ 95% by TLC  
**Solubility** Soluble in **anhydrous** DMSO or DMF  
**λ<sub>ex</sub>/λ<sub>em</sub>** 492nm/517nm (pH 9, after hydrolysis)  
**Extinction Coefficient (ε)**

**STORAGE AND HANDLING:** Store at ≤ 4°C and protect from light

**APPLICATION:** Flubida-2 is a cell membrane-permeable conjugate of fluorescein diacetate and biotin. The probe has been used to measure cell organelle pH by directing the dye to where avidin-chimera proteins are located.

Ref.: *Chemistry & Biology* **7**, 197(2000)

**TOXICITY:** Unknown

**FIRST AID:** Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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