

## Flubida-2

Flubida-2 has been used to detect pH at a specific site in a cell such as cell organelles by directing the probe to where avidin fusion proteins are located. The probe is a conjugate of biotin and fluorescein diacetate, which is nonfluorescent until the probe has entered the cells and hydrolyzed by endoesterases.



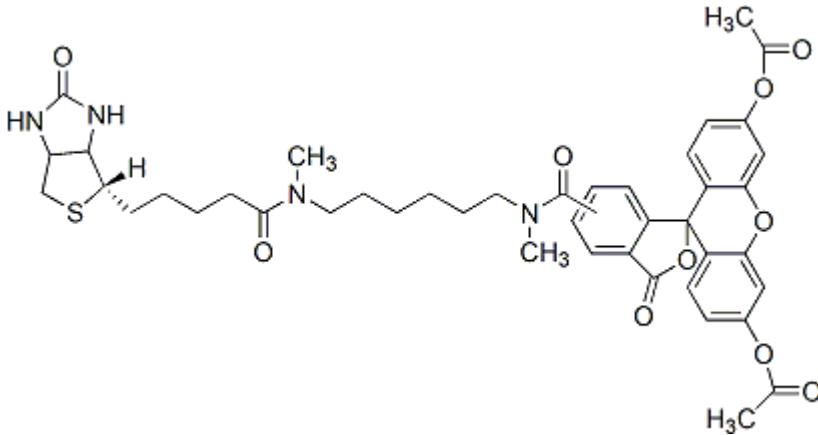
### Product attributes

Cell permeability	Membrane permeant
pKa	pKa 6.5
Indicator type	Ratiometric
Colors	Green
Excitation/Emission	492/517 nm (after hydrolysis)

### Product Description

Flubida-2 has been used to detect pH at a specific site in a cell such as cell organelles by directing the probe to where avidin fusion proteins are located. The probe is a conjugate of biotin and fluorescein diacetate, which is nonfluorescent until the probe has entered the cells and hydrolyzed by endoesterases. Flubida-2 is membrane-permeable and thus can be delivered into cells via simple incubation with the probe in a buffer.

- $\lambda_{Ex}/\lambda_{Em}$ : 492/517 nm (pH 9) (after hydrolysis)
- Off-white solid soluble in DMSO
- Store at 4°C
- $C_{43}H_{48}N_4O_9S$
- MW: 812.93



### References

1. Chemistry and Biology 7, 197 (2000).

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Product link: <https://biotium.com/product/flubida-2/>