

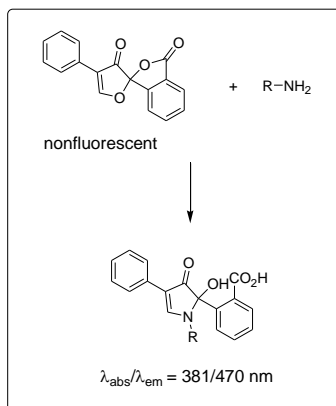
PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Fluorescamine

CATALOG # 90092

MOLECULAR INFORMATION: C₁₇H₁₀O₄
Mwt: 278.26
[38183-12-9]

PROPERTIES:



Color & Form Light yellow solid
Purity ≥ 95% by TLC
Solubility Soluble in DMF or DMSO
Absorption/Emission 381/470nm (CH₃CN) for reaction product with amines
Extinction Coefficient

STORAGE AND HANDLING: Store at -20 °C and protect from light

APPLICATION: Fluorescamine is nonfluorescent until it reacts with primary amines. The reaction is completed in mini seconds and can be used to detect amine-containing compounds including peptides and proteins. Unreacted fluorescamine is rapidly converted to a nonfluorescent product by reaction with water, making amine detection highly specific.

Ref.: 1) *Clin. Chim. Data* **157**, 73(1986); 2) *J. Lipid Res.* **27**, 792(1986); 3) *J. Chromatography* **502**, 427(1990).

RELATED PRODUCTS

TOXICITY: Not established. Not listed by NTP, IARC or OSHA.

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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