



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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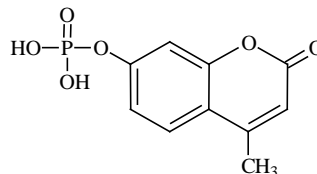
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PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: MUP, Free Acid (4-methylumbelliferyl phosphate, free acid)**CATALOG #:** 10009**MOLECULAR INFORMATION:** C₁₀H₉O₆P
MW: 256
[3368-04-5]**PROPERTIES:**

Color & Form	White solid
Purity	≥ 99% (impurity < 100ppm)
Solubility	Soluble in water or DMSO
Absorption/Emission	319nm/383nm
Extinction Coefficient	15,000

STORAGE AND HANDLING: Store desiccated at ≤ 4 °C. Protect from light.**APPLICATION:** Fluorogenic phosphatase substrate that releases the blue fluorescent 4-methyl-7-hydroxycoumarin ($\lambda_{\text{ex}}/\lambda_{\text{em}} = 360/450$ nm). Fluorescence detection of phosphatase activity can be highly sensitive. MUP free acid and its salt (See MUP/Na, **10010**) are the most widely used fluorogenic substrates for alkaline phosphatase detection.Ref: *J. Immuno. Meth.* **150**, 23(1992); *Anal. Chem.* **65**, 1147(1993); *Anal. Biochem.* **205**, 1(1992)**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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