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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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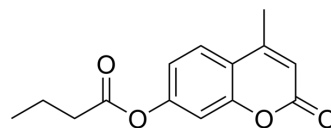
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4-Methylumbelliferyl butyrate

Cat. No.:	HY-135036
CAS No.:	17695-46-4
Molecular Formula:	C ₁₄ H ₁₄ O ₄
Molecular Weight:	246.26
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (406.07 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.0607 mL	20.3037 mL	40.6075 mL
	5 mM		0.8121 mL	4.0607 mL	8.1215 mL
	10 mM		0.4061 mL	2.0304 mL	4.0607 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

4-Methylumbelliferyl butyrate (4-MUB) is a coumarin-based fluorogenic substrate used for the identification of *M. catarrhalis* C4- esterase. 4-Methylumbelliferyl butyrate can converse to the blue-emissive 4-methylumbelliferone (4-MU; HY-N0187)^[1].

REFERENCES

[1]. Uisung Lee, et al. Selective Butyrate Esterase Probe for the Rapid Colorimetric and Fluorogenic Identification of *Moraxella catarrhalis*. Anal Chem. 2020 Dec 15;92(24):16051-16057.

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

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