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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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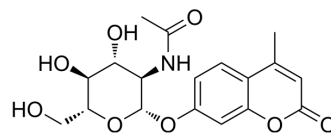
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4-Methylumbelliferyl-2-acetamido-2-deoxy-β-D-Glucopyranoside

Cat. No.:	HY-137853
CAS No.:	37067-30-4
Molecular Formula:	C ₁₈ H ₂₁ NO ₈
Molecular Weight:	379.36
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (131.80 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.6360 mL	13.1801 mL	26.3602 mL
				5 mM	0.5272 mL	2.6360 mL	5.2720 mL
				10 mM	0.2636 mL	1.3180 mL	2.6360 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.59 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.59 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.59 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	4-Methylumbelliferyl-2-acetamido-2-deoxy-β-D-Glucopyranoside is a fluorogenic substrate for N-acetyl-β-D-glucosaminidase ^[1] .
In Vitro	The enzyme functionality is assessed by its ability remove terminal β-glycosidically bound N-acetylglucosamine and N-acetylgalactosamine residues from 4-Methylumbelliferyl-2-acetamido-2-deoxy-β-D-Glucopyranoside ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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