



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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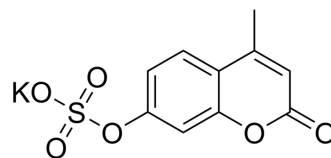
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## 4-Methylumbelliferyl sulfate potassium

Cat. No.:	HY-137855
CAS No.:	15220-11-8
Molecular Formula:	C <sub>10</sub> H <sub>7</sub> KO <sub>6</sub> S
Molecular Weight:	294.32
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 4 mg/mL (13.59 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.3977 mL	16.9883 mL	33.9766 mL
5 mM	0.6795 mL	3.3977 mL	6.7953 mL
10 mM	0.3398 mL	1.6988 mL	3.3977 mL

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

### BIOLOGICAL ACTIVITY

#### Description

4-Methylumbelliferyl sulfate (potassium), a fluorescent substrate, is commonly used to detect sulfatase activity in biochemical and biomedical research. It consists of a sulfate group attached to a fluorescent molecule, which can be cleaved by sulfatase enzymes. Upon cleavage, 4-Methylumbelliferyl sulfate releases a highly fluorescent product that can be detected using fluorescence microscopy or spectroscopy. The use of 4-Methylumbelliferyl sulfate as a substrate for sulfatase enzymes allows accurate detection and quantification of these enzymes in a variety of biological samples.

#### In Vitro

4-Methylumbelliferyl sulfate potassium salt is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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