

## 4-Methylumbelliferyl palmitate

Cat. No. CSUB-0679

Lot. No. (See product label)

### Introduction

#### Description

Cholesterol ester storage disease and Wolman disease are recessive autosomal disorders caused by a deficiency in lysosomal acid lipase (LAL), also known as cholesteryl ester hydrolase. 4-Methylumbelliferyl palmitate (4-MUP) is a fluorogenic substrate for LAL. It may also be cleaved by other acid lipases. Recent advances allow the assessment of LAL activity in very small blood volumes using 4-MUP.

#### Applications

A fluorogenic substrate for lipase in human leukocytes

#### Synonyms

4-MU-palmitate; palmitic acid 4-methylumbelliferyl ester

### Product Information

<b>Form</b>	Solid
<b>CAS No.</b>	17695-48-6
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>38</sub> O <sub>4</sub>
<b>Molecular Weight</b>	414.59
<b>Purity</b>	>97%
<b>Melting Point</b>	77° C (lit.)
<b>Solubility</b>	Soluble in water (partly).
<b>Substrates</b>	Phosphatase

### Storage and Shipping Information

<b>Storage</b>	Store at -20° C
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