

## 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

**Form** Solid

**CAS No.** 17695-48-6

**Molecular Formula** C<sub>26</sub>H<sub>38</sub>O<sub>4</sub>

**Molecular Weight** 414.59

**Purity** >97%

**Melting Point** 77° C (lit.)

**Solubility** Soluble in water (partly).

**Substrates** Phosphatase

### Storage and Shipping Information

**Storage** Store at -20° C