

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 C₂₆H₃₈O₄

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