Creative Enzymes®

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