

MUP, disodium salt [4-Methylumbelliferyl phosphate, disodium salt]

Cat. No. DYE-140 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

MUP, disodium salt is a fluorogenic substrate for phosphatases. It is widely used for detecting phosphatases in solution. However this phosphatase substrate is not well suited for living cell or continuous assays since MU (4-methylumbelliferone), the enzymatic product, which only develops maximum fluorescence at pH value of >10. Thus it is also difficult to use MUP for the detection of phosphatases that have acidic optimal pH range such as acid phosphatases. AAT Bioquest is pleased to offer MUP Plus that is developed to address this pH limitation associated with MUP substrates.

CAS number

22919-26-2

Molecular Mass

300.11

Formula

C₁₀H₇Na₂O₆P

Ex(nm)

360

Em(nm)

449

Solvent

Water

Storage

Store at -20°C in the dark. Dessicated.

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