

MUGlcU [4-Methylumbelliferyl-β-D-glucuronide]

Cat. No. DYE-151 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

MUGlcU is a fluorogenic MU substrate for detecting glucuronidase in cell extracts and purified enzyme preparations using a fluorescence microplate reader or fluorometer. The organic and inorganic esters and glycosides of 7-hydroxy-4-methylcoumarin (4-methylumbelliferone, MU) are among the most commonly used fluorogenic substrates. These substrates yield water-soluble blue fluorescent coumarin fluorophores. MU develops maximum fluorescence above pH 10.

CAS number 881005-91-0

Molecular Mass 352.29

Formula C₁₆H₁₆O₉ · xH₂O

Ex(nm) 360

Em(nm) 449

Solvent DMSO

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

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