

AMC [7-Amino-4-methylcoumarin]

Cat. No. DYE-154 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

7-Amino-4-methylcoumarin (AMC) is a well-known laboratory reagent employed in the preparation of fluorogenic AMC-based substrates for the detection of proteolytic enzyme activity. AMC has been utilized as a fluorescent probe to analyze glycoproteins' monosaccharides and N-linked oligosaccharides via chromatography and has been used as a laser dye. Recent research shows that AMC was extracted from an endophytic Xylaria fungal species and exhibited strong antibacterial and antifungal activities in vitro against Aspergillus, Candida, Escherichia, Staphylococcus, Salmonella and Vibrio species, among others. This product is also useful as a reference standard in enzymatic assays.

CAS number 26093-31-2

Molecular Mass 175.18

Formula C₁₀H₉NO₂

Ex(nm) 351

Em(nm) 430

Solvent DMSO

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

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