3-Cyano-7-hydroxycoumarin *CAS 19088-73-4*

Catalog number: 40
Unit size: 25 mg

Component	Storage	Amount
3-Cyano-7-hydroxycoumarin *CAS 19088-73-4*	Freeze (<-15 °C), Minimize light exposure	25 mg

OVERVIEW

3-Cyano-7-hydroxycoumarin is used as a calibration standard for 3-cyano-7-hydroxycoumarin-based enzyme substrates. It has pH-dependent fluorescence.

AT A GLANCE

Important

Store at -20 °C, desiccated and protected from light. Expiration date is one year from the date of receipt.

KEY PARAMETERS

Instrument:	Fluorescence microplate reader
Excitation:	408 nm
Emission:	450 nm
Cutoff:	420 nm
Recommended plate:	Solid black

PREPARATION OF STOCK SOLUTIONS

Unless otherwise noted, all unused stock solutions should be divided into single-use aliquots and stored at -20 °C after preparation. Avoid repeated freeze-thaw cycles.

1. 3-Cyano-7-hydroxycoumarin stock solution (1mM):
Add 5.343 µL DMSO to 1 mg 3-Cyano-7-hydroxycoumarin to make 1 mM stock solution.

Note Add appropriate amount of DMSO to make appropriate concentration of stock solution.

PREPARATION OF WORKING SOLUTION

1. 3-Cyano-7-hydroxycoumarin working solution:
Working solution can be diluted in phosphate or Tris buffer, pH 7.4-7.5.

Note Make appropriate concentration of working solution as per needed.

EXAMPLE DATA ANALYSIS AND FIGURES

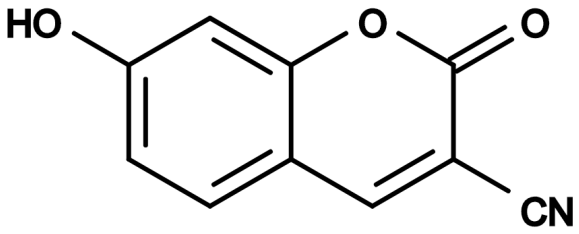

Figure 1. Chemical structure for 3-Cyano-7-hydroxycoumarin *CAS 19088-73-4*

DISCLAIMER