

Fluorescamine *CAS 38183-12-9*

Catalog number: 820

Unit size: 25 mg

Component	Storage	Amount
Fluorescamine *CAS 38183-12-9*	Freeze (<-15 °C), Minimize light exposure	25 mg

OVERVIEW

Fluorescamine is a popular amine-fluorogenic reagent for determining protein concentrations in solutions and on gels. It is also used to analyze low molecular weight amines by TLC, HPLC and capillary electrophoresis. Fluorescamine is nonfluorescent but readily reacts with primary aliphatic amines, including those in peptides and proteins, to yield a strongly blue-green fluorescent adduct that can be excited by UV light. The amine adduct has absorption maximum at 385 nm and fluorescence maximum at 486 nm.

AT A GLANCE

Important It is important to store at <-15 °C and should be stored in cool, dark place.

It can be used within 12 months from the date of receipt.

KEY PARAMETERS

Instrument:	Fluorescence microplate reader
Excitation:	382 nm
Emission:	480 nm
Cutoff:	410 nm
Recommended plate:	Solid black

PREPARATION OF WORKING SOLUTION

Fluorescamine working solution:

Add anhydrous DMF or DMSO to make Fluorescamine working solution of desired concentration.

Note Fluorescamine reacts with water and many other aqueous buffers. It is recommended not to make buffer solutions.

EXAMPLE DATA ANALYSIS AND FIGURES

Figure 1. Chemical structure for Fluorescamine *CAS 38183-12-9*

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