

Fluorogenic Substrate PCa

Product No. ADG344F

Description

Fluorogenic substrate for activated Protein C.

Chemistry

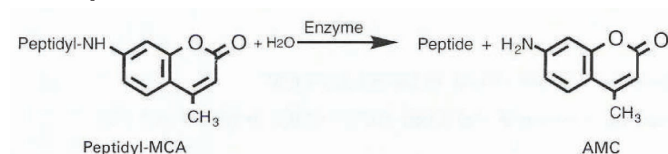
Formula: Pyroglu-Pro-Arg-AMC ($C_{26}H_{33}N_7O_5 \cdot C_2H_4O_2$)

MW: 599.6 Dalton **Purity:** >95% by HPLC

Absorption: Maximum Wavelength 380_[ex] nm

Emission: Maximum Wavelength 460_[em] nm

Principle



The initial rate of increase in the AMC concentration can be monitored fluorometrically at 380_[ex] nm and 460_[em] nm.

Assay conditions

Enzyme activity is determined by measuring the increase in absorbance of the free chromophore (AMC) generated, in comparison to the original substrate, per unit time 460_[em] nm. At excess substrate concentration, the rate of absorbance increases due to the amount of chromophore released is linearly related to enzyme concentration.

Measurement can be made either through acid quenching of the reaction (a. end-point method), or through use of a kinetic recording spectrophotometer (b. initial-rate-method).

Distributed by:

LOXO GMBH

IMMUNOLOGIE • MOLEKULARBIOLOGIE
BIOCHEMIE • PRODUKTE UND SYSTEME

Gerhart-Hauptmann-Str. 48
69221 Dossenheim

Tel +49 6221 868023

Fax +49 6221 8680255

www.loxo.de - info@loxode

Warnings and Precautions

Contains: 7-Amino-4-methylcoumarin

Hazard pictograms



Warning

Signal word

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust.

P280 - Wear protective gloves.

P312 - Call a POISON CENTER/doctor if you feel unwell.

P332 + P313 - If skin irritation occurs: Get medical advice/attention.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents/container in accordance with local/regional/ national/international regulations.

Presentation

The vial contains 25 mg substrate, which has been lyophilized as an amorphous powder from acetic acid solution.

Due to the nature of the material, it may coagulate at the bottom of the vial to form resinous droplets during storage. However, this kind of appearance change is not related to any deterioration in the guaranteed quality.

Reconstitution

Can be reconstituted in methanol:water [1:9] up to a concentration of 25 mg/ml. Shake gently before use.

Storage

May be used by the expiry date given on the label when stored unopened, protected from moisture in the dark at 2-8 °C.

After reconstitution in DMSO, the solution is stable for more than one month if it is protected from moisture and kept in the dark at -20 °C.

For research use only!

ADG344FN©26052021

Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.