

5-异硫氰酸荧光素(FITC) ($\geq 95\%$, Reagent grade)

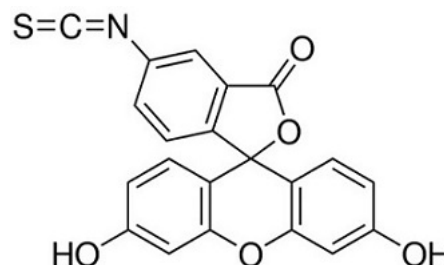
产品编号	产品名称	包装
ST2065-100mg	5-异硫氰酸荧光素(FITC) ($\geq 95\%$, Reagent grade)	100mg
ST2065-500mg	5-异硫氰酸荧光素(FITC) ($\geq 95\%$, Reagent grade)	500mg

产品简介:

CAS Number	Chemical Formula	Molecular Weight	Purity	Grade
3326-32-7	C ₂₁ H ₁₁ NO ₅ S	389.38	$\geq 95\%$	Reagent grade

➤ 基本信息(General Information):

Name (Chinese)	5-异硫氰酸荧光素
Name (English)	5-Fluorescein isothiocyanate
Specifications	$\geq 95\%$, Reagent grade
Chemical Formula	C ₂₁ H ₁₁ NO ₅ S
Synonym (Chinese)	荧光素-5-异硫氰酸酯(异构体I), 异硫氰酸荧光素(异构体I), 5-异硫氰酸荧光素(异构体I), 5-FITC (异构体I), 荧光素异硫氰酸酯异构体I
Synonym (English)	FITC, 5-Flourescein iso-thiocyanate, FITC 'Isomer I' [5-FITC; fluorescein-5-isothiocyanate], Fluorescein Isothiocyanate (isomer I) ; 5-Isothiocyanatofluorescein (isomer I)
Beilstein Registry No.	1407295
EINECS Number	222-042-0
MDL Number	MFCD00005063
UNSPSC Code	-



➤ 产品描述(Description):

Application	Biological applications of FITC include use as a fluorescent labeling reagent for proteins [1], a fluorescent reagent for protein tracing, and a reagent in the fluorescent antibody technique for the rapid identification of pathogens [2]. It may be employed as the derivatization reagent in capillary electrophoretic (CE) determination [3]. It was employed for in vitro sensitization studies.
General description	5-Fluorescein isothiocyanate (FITC) is yellow-orange in color with an absorption maximum at 492nm. Upon excitation, it emits a yellow-green color with an emission maximum at 520nm. It is widely used to attach a fluorescent label to proteins via the amine group. The isothiocyanate group reacts with amino terminal and primary amines in proteins.

➤ 性质(Properties):

Assay	$\geq 95\%$ (HPLC)
Form	powder
mp	>360°C (lit.)
Solubility	Acetone、DMSO: 1mg/ml (green)
Fluorescence	Ex: 492nm; Em: 520nm
Suitability	suitable for protein labeling
Application(s)	diagnostic assay manufacturing; hematology; histology

Storage temp.	-20 °C or 2-8°C
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➤ **安全信息(Safety Information):**

Hazard Pictogram Codes	GHS08
Signal Word	Danger
Hazard Statements	H317-H334
Precautionary Statements	P261-P272-P280-P284-P302 + P352-P333 + P313
Personal Protective Equipment	Dust mask type N95 (US), Eyeshields, Gloves
Hazard Codes (Europe)	-
Risk Codes (Europe)	-
Safety Codes (Europe)	-
RIDADR	-
WGK Germany	WGK 3
RTECS	-
Flash Point (F)	-
Flash Point (C)	-

包装清单:

产品编号	产品名称	包装
ST2065-100mg	5-异硫氰酸荧光素(FITC) (≥95%, Reagent grade)	100mg
ST2065-500mg	5-异硫氰酸荧光素(FITC) (≥95%, Reagent grade)	500mg
—	说明书	1份

保存条件:

-20°C避光保存, 两年有效; 4°C避光保存, 至少一年有效。

注意事项:

- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

参考文献:

1. Takai H, Kato A, Nakamura T, Tachibana T, Sakurai T, Nanami M, Suzuki M. Acta Histochem. 2011. 113(4):472-6.
2. Nestorescu N POPOVICI M, Georgescu C, Popescu A. Arch Roum Pathol Exp Microbiol. 1970. 29(3):533-8.
3. Zhao S, Wang B, Yuan H, Xiao D. J Chromatogr A. 2006. 1123(1):138-41.

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