



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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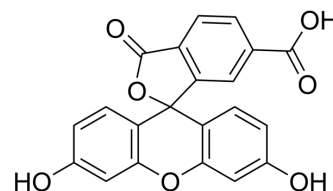
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## 6-FAM

<b>Cat. No.:</b>	HY-66021
<b>CAS No.:</b>	3301-79-9
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>12</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	376.32
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : ≥ 40 mg/mL (106.29 mM)  
\* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6573 mL	13.2866 mL	26.5731 mL
	5 mM	0.5315 mL	2.6573 mL	5.3146 mL
	10 mM	0.2657 mL	1.3287 mL	2.6573 mL

Please refer to the solubility information to select the appropriate solvent.

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (6.64 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.64 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

6-FAM (6-Carboxyfluorescein) contains a carboxylic acid that can be used to react with primary amines via carbodiimide activation of the carboxylic acid. Fluorescein is the most common fluorescent derivatization reagent for labeling biomolecules. In addition to its relatively high absorptivity, excellent fluorescence quantum yield, and good water solubility, fluorescein has an excitation maximum that closely matches the 488 nm spectral line of the argon-ion laser.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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