# Fluorescein-5-thiosemicarbazide, Fluorescent tag

**Product name**  
Fluorescein-5-thiosemicarbazide, Fluorescent tag

**Description**  
Fluorescent tag for labeling of cell-surface functional groups (glycophorins).

**Biological description**  
Fluorescent tag for labeling of cell-surface functional groups (glycophorins). Also used as a probe for detecting protein carbonyl derivatives.

**Purity**  
> 97%

**CAS Number**  
76863-28-0

**Chemical structure**

![Chemical structure](image)

**Excitation**  
492nm

**Emission**  
516nm

**Chemical name**  
\(N\text{-}[3',6'-\text{Dihydroxy-3-oxo} \text{spiro(isobenzofuran-1(3H),9'-(9H)-xanthene)-5-yl}]\text{-hydrazinecarbothioamide}\)

**Molecular weight**  
421.43

**Molecular formula**  
\(C_{21}H_{15}N_{3}O_{5}S\)

**Storage instructions**  
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in water

**Handling**  
Whenever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](#) for more details.
Please note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS”

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