

## Product Data Sheet

Product Name: AF568 NHS ester

Cat. No.: GC59207

### Chemical Properties

Cas. No.

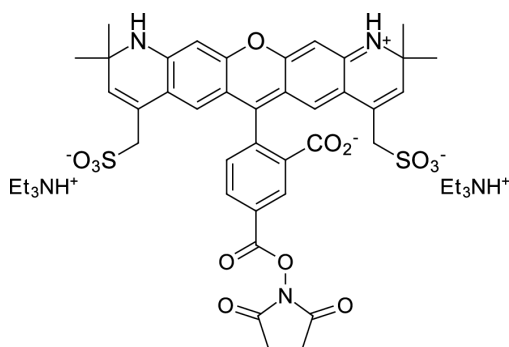
Formula  $C_{49}H_{63}N_5O_{13}S_2$  M.Wt 994.18

Solubility good in water, DMSO, DMF Storage  $-20^{\circ}\text{C}$ , protect from light, stored under nitrogen.

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}\text{C}$  for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



### Background

AF568 is a synthetic fluorophore structurally and functionally identical to Alexa Fluor™ 568, a member of the well-known Alexa Fluor™ family of fluorescent dyes. The excitation peak of AF568 lies at 572 nm and its emission peak is at 598 nm. It can be excited using a 561 nm laser. AF568 is spectrally similar to Texas Red, TF4 (Tide Fluor™ 4), and sulfo-Cyanine3.5 dyes.

As AF568 NHS Ester can be conjugated with proteins and peptides, it is recommended for stable signal generation in imaging, including Western Blotting, fluorescence microscopy, and flow cytometry.

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

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