

Product Data Sheet

Product Name: AF568 carboxylic acid

Cat. No.: GC59172

Chemical Properties

Cas. No.

Formula $C_{33}H_{28}N_2K_2O_{11}S_2$

M.Wt 770.91

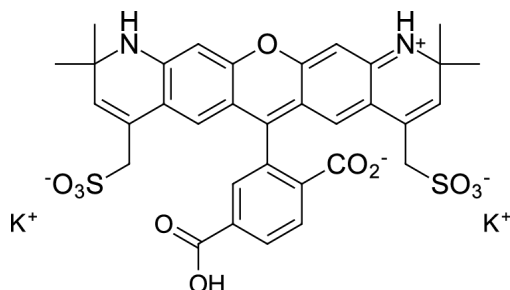
Solubility good in water, DMF, DMSO

Storage Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

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

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

Structure



Background

AF568 is a fluorescent dye with excitation maximum at 572 nm and emission maximum at 598 nm. It is a structural analogue of Alexa Fluor™ 568 stain which is a member of the well-known Alexa Fluor™ family. These dyes have better photostability than traditional fluorescent stains (fluorescein isothiocyanate FITC, phycoerythrin PE, Texas Red etc.).

AF568 carboxylic acid is a non-reactive form of AF568 dye that can be used as a reference standard in experiments involving AF568 dye conjugates. Besides, the carboxylic group can react with hydrazines, hydroxylamines, and amines using carbodiimides such as EDAC.

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

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