

Product Data Sheet

Product Name: AF488 DBCO ditriethylamine

Cat. No.: GC74216

Chemical Properties

Cas. No.

Formula $C_{54}H_{64}N_6O_{11}S_2$

M.Wt 1037.25

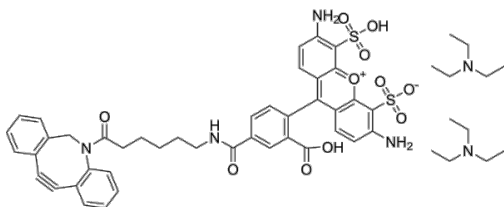
Solubility

Storage -20°C, protect from light, stored under nitrogen

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 size: ship with RT, or blue ice upon request.

Structure



Background

AF488 DBCO ditriethylamine is the ditriethylamine salt form of AF488 DBCO. AF488 DBCO ditriethylamine is a fluorescent dye that labels azide-containing biomolecules. DBCO is the bioorthogonal partner of azide that allows covalent coupling in the absence of copper. AF488 is a bright, photostable green fluorophore. AF488 exhibits the λ_{em} and λ_{ex} wavelength of 520 nm and 470 nm, respectively.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

References:

- [1]. Elena Boero, et al. Purified complement C3b triggers phagocytosis and activation of human neutrophils via complement receptor 1. Sci Rep. 2023 Jan 6;13(1):274.
- [2]. Chakraborty S, Hu S Y, Wu S H, et al. The interaction affinity between vascular cell adhesion molecule-1 (VCAM-1) and very late antigen-4 (VLA-4) analyzed by quantitative FRET[J]. PLoS One, 2015, 10(3): e0121399.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA