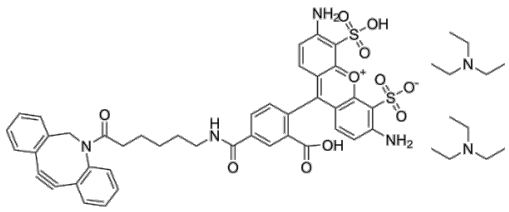
Product Data Sheet

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 ditrietlamine is the ditrietlamine salt form of AF488 DBCO . AF488 DBCO ditrietlamine 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 λem and λex 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