



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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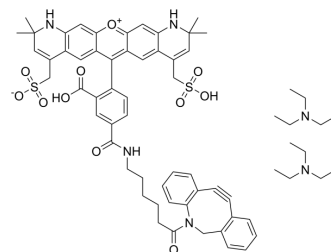
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AF 568 DBCO

Cat. No.:	HY-D2179
Molecular Formula:	C ₆₆ H ₈₀ N ₆ O ₁₁ S ₂
Molecular Weight:	1197.51
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5.99 mg/mL (5.00 mM; Need ultrasonic and warming)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8351 mL	4.1753 mL	8.3507 mL
	5 mM	0.1670 mL	0.8351 mL	1.6701 mL
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

AF 568 DBCO is a fluorescent dye that reacts with azide-labeled molecules or biomolecules via copper-free click chemistry. AF 568 exhibits maximum absorption wavelength of 579 nm and the maximum emission wavelength of 603 nm^{[1][2]}.

REFERENCES

- [1]. Jeffett J, et al. Machine-Learning-Based Single-Molecule Quantification of Circulating MicroRNA Mixtures. ACS Sens. 2023 Oct 27;8(10):3781-3792.
- [2]. SN Ostad, et al. Photobleaching comparison of R-phycoerythrin-streptavidin and streptavidin-alexa fluor 568 in a breast cancer cell line. 2019. liebertpub.

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

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