



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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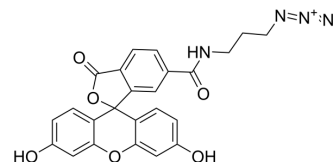
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FAM azide, 6-isomer

Cat. No.:	HY-D1314
CAS No.:	1386385-76-7
Molecular Formula:	C ₂₄ H ₁₈ N ₄ O ₆
Molecular Weight:	458.42
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (218.14 mM; Need ultrasonic)
Methanol : 5 mg/mL (10.91 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.1814 mL	10.9070 mL	21.8141 mL
	5 mM		0.4363 mL	2.1814 mL	4.3628 mL
	10 mM		0.2181 mL	1.0907 mL	2.1814 mL

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

BIOLOGICAL ACTIVITY

Description

FAM azide, 6-isomer (6-FAM azide), a fluorescent dye, is a click chemistry reagent containing an azide group^[1]. It contains an azide group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing alkyne groups. It can also undergo ring strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing DBCO or BCN groups.

REFERENCES

[1]. Simon T Steiner, et al. Concerning the photophysics of fluorophores towards tailored bioimaging compounds: a case study involving S100A9 inflammation markers. Photochem Photobiol Sci. 2023 Jun 11.

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

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