



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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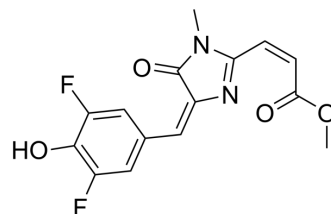
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DFAME

Cat. No.:	HY-W073524
CAS No.:	1420815-55-9
Molecular Formula:	C ₁₅ H ₁₂ F ₂ N ₂ O ₄
Molecular Weight:	322.26
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°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 (310.31 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.1031 mL	15.5154 mL	31.0308 mL
	5 mM		0.6206 mL	3.1031 mL	6.2062 mL
	10 mM		0.3103 mL	1.5515 mL	3.1031 mL

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

BIOLOGICAL ACTIVITY

Description

DFAME is a red fluorophore (Ex=508 nm, Em=641 nm). Beetroot and Corn are dimeric fluorogenic RNA aptamers that can bind to DFAME to form Beetroot-DFAME ($K_d=460\text{nM}$) and Corn-DFAME ($K_d=3600\text{nM}$). Beetroot-DFAME ($K_d=460\text{nM}$) and Corn-DFAME can be used to form RNA assemblies in living cells. Creating RNA assemblies can be used for the study of RNA Nanostructures. DNA/RNA Nanostructures would be useful in cell and gene therapy (CGT) research^[1].

REFERENCES

[1]. Jiahui Wu, et al. Self-Assembly of Intracellular Multivalent RNA Complexes Using Dimeric Corn and Beetroot Aptamers. J Am Chem Soc. 2022 Mar 30;144(12):5471-5477.

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

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