



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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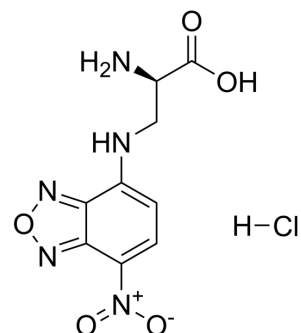
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NADA-green

Cat. No.:	HY-D1117
CAS No.:	2253733-11-6
Molecular Formula:	C ₉ H ₁₀ ClN ₅ O ₅
Molecular Weight:	303.66
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (329.32 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2932 mL	16.4658 mL	32.9316 mL
	5 mM	0.6586 mL	3.2932 mL	6.5863 mL
	10 mM	0.3293 mL	1.6466 mL	3.2932 mL

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

BIOLOGICAL ACTIVITY

Description

NADA-green is a fluorescent D-amino acid probe. NADA-green is efficiently incorporated into the peptidoglycan of diverse bacterial species peptidoglycan biosynthesis. NADA-green allows probing of bacterial growth with minimal perturbation^[1].

In Vitro

Excitation maximum~ 450 nm; emission maximum~ 555 nm^[1].
D-amino acids are known to modify and strengthen the peptidoglycan layer. Fluorescent D-amino acids (FDAAs) are efficiently incorporated into the peptidoglycan of diverse bacterial species at the sites of active peptidoglycan biosynthesis, allowing specific and covalent probing of bacterial growth with minimal perturbation^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kuru E, T et al. Synthesis of fluorescent D-amino acids and their use for probing peptidoglycan synthesis and bacterial growth in situ. Nat Protoc. 2015;10(1):33-52.

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

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