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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

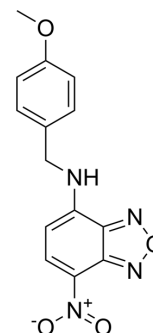
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MBD

Cat. No.:	HY-141667
CAS No.:	33984-50-8
Molecular Formula:	C ₁₄ H ₁₂ N ₄ O ₄
Molecular Weight:	300.27
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 : 25 mg/mL (83.26 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3303 mL	16.6517 mL	33.3034 mL
	5 mM		0.6661 mL	3.3303 mL	6.6607 mL
	10 mM		0.3330 mL	1.6652 mL	3.3303 mL

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

BIOLOGICAL ACTIVITY

Description

MBD (7-(p-Methoxybenzylamino)-4-nitrobenz-2,1,3-oxadiazole), a new fluorescent probe for protein and nucleoprotein conformation, is applied to bacterial ribosomes and to bovine trypsinogen and trypsin. MBD is strongly fluorescent upon binding to a hydrophobic area of a macromolecule^{[1][2]}.

REFERENCES

- [1]. Kenner RA, et al. A new fluorescent probe for protein and nucleoprotein conformation. Binding of 7-(p-methoxybenzylamino)-4-nitrobenzoxadiazole to bovine trypsinogen and bacterial ribosomes. *Biochemistry*. 1971;10(24):4433-4440.
- [2]. Kasahara Y, et al. Formation of a conformationally changed C1r, a subcomponent of the first component of human complement, as an intermediate of its autoactivation reaction. *FEBS Lett*. 1982;141(1):128-131.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA