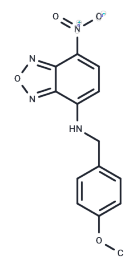


MBD

Chemical Properties

CAS No. :	33984-50-8
Formula:	C ₁₄ H ₁₂ N ₄ O ₄
Molecular Weight:	300.27
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	MBD is a fluorescent probe for hydrophobic regions in proteins and nucleoproteins, widely used in research and experiments in the field of life sciences.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (66.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3303 mL	16.6517 mL	33.3034 mL
5 mM	0.6661 mL	3.3303 mL	6.6607 mL
10 mM	0.333 mL	1.6652 mL	3.3303 mL
50 mM	0.0666 mL	0.333 mL	0.6661 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Lin SW, et.al. Compatibility of DNA IQ™, QIAamp® DNA Investigator, and QIASymphony® DNA Investigator® with various fingerprint treatments. *Int J Legal Med.* 2017 Mar; 131(2):293-301.
- 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 May 3; 141(1):128-31.

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