Data Sheet (Cat.No.T18981)

TargetMol®
YOUR TARGET MOLECULES

DMA

Chemical Properties

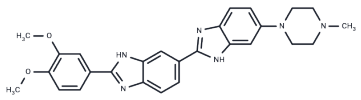
CAS No. : 188860-26-6

Formula: C27H28N6O2

Molecular Weight: 468.55

Appearance: no data available

Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DMA is a fluorescent agent (λex=340 nm, λem=478 nm).
Targets(IC50)	Others
In vitro	In the case of MCF7, the IC50 is observed at 5.3 μM for DMA. The IC50 determined in the case of HeLa is 3.4 μM for DMA.

Solubility Information

Solubility	DMSO: 54 mg/mL (115.25 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1342 mL	10.6712 mL	21.3424 mL
5 mM	0.4268 mL	2.1342 mL	4.2685 mL
10 mM	0.2134 mL	1.0671 mL	2.1342 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 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.

Reference

Singh M, et al. Synthesis and biological activity of novel inhibitors of topoisomerase I: 2-aryl-substituted 2-bis-1H-benzimidazoles. Eur J Med Chem. 2011 Feb;46(2):659-69.

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