

DMA trihydrochloride

Chemical Properties

CAS No. : 2095832-33-8

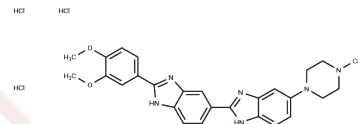
Formula: C₂₇H₂₉Cl₃N₆O₂

Molecular Weight: 505.02

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	DMA trihydrochloride is a fluorescent agent (λ_{ex} =340 nm, λ_{em} =478 nm).
Targets(IC50)	Others
In vitro	In the case of MCF7, the IC50 is observed at 5.3 μ M for DMA. The IC50 determined in the case of HeLa is 3.4 μ M for DMA.

Solubility Information

Solubility	H ₂ O: 15.9 mg/mL (31.48 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9801 mL	9.9006 mL	19.8012 mL
5 mM	0.396 mL	1.9801 mL	3.9602 mL
10 mM	0.198 mL	0.9901 mL	1.9801 mL
50 mM	0.0396 mL	0.198 mL	0.396 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

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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