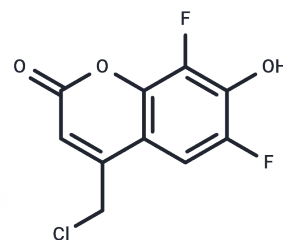


CellTracker Blue CMF2HC Dye

Chemical Properties

CAS No. :	215868-45-4
Formula:	C ₁₀ H ₅ ClF ₂ O ₃
Molecular Weight:	246.59
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	CellTracker Blue CMF2HC Dye is a blue fluorescent dye suitable for dual-channel nucleic acid sequencing, with Ex=350-410nm/450-460 nm, Em=415-450 nm/480-525nm. CellTracker Blue CMF2HC Dye can also be used in microbial susceptibility experiments.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	DMSO: 100 mg/mL (405.53 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	4.0553 mL	20.2766 mL	40.5531 mL
5 mM	0.8111 mL	4.0553 mL	8.1106 mL
10 mM	0.4055 mL	2.0277 mL	4.0553 mL
50 mM	0.0811 mL	0.4055 mL	0.8111 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

- Wu Xiaolin, et al. Methods and compositions for nucleic acid sequencing: US, US20220195518[P]. 2022-06-23.
Super Michael, et al. Rapid antibiotic susceptibility testing: US, US20150064703[p]. 2015-03-05.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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