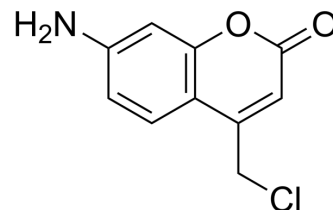


CellTracker Blue CMAC

Cat. No.:	HY-D1462		
CAS No.:	147963-22-2		
Molecular Formula:	C ₁₀ H ₈ ClNO ₂		
Molecular Weight:	209.63		
Target:	Fluorescent Dye		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (596.29 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.7703 mL	23.8515 mL	47.7031 mL
		5 mM	0.9541 mL	4.7703 mL	9.5406 mL
10 mM		0.4770 mL	2.3852 mL	4.7703 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (9.92 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	CellTracker Blue CMAC is a fluorescent dye, whose chloromethyl group can form a covalent bond with cell proteins. CellTracker Blue CMAC providing a stable attachment permitting long-term cell tracking ^[1] .
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REFERENCES

[1]. Horobin RW, et al. Reactive dyes for living cells: Applications, artefacts, and some comparisons with textile dyeing. Coloration technology, 2022,138(1):3-15.

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

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