

Cell-Tracker Orange CMTMR

Chemical Properties

CAS No. :	323192-14-9
Formula:	C ₆₄ H ₅₆ Cl ₂ N ₆ O ₈
Molecular Weight:	554.04
Storage:	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	4-(5)-(((4-ChloroMethyl)Benzoyl)AMino)TetraMethylrhodaMine is a versatile dye crucial for various applications. As vital tools in scientific research, dyes facilitate the observation and analysis of cell structures, enable tracking of biomolecules, assess cell functions, differentiate cell types, detect biomolecules, investigate tissue pathology, and monitor microorganisms. Their use extends beyond basic research to include clinical diagnostics and a host of traditional applications like textile dyeing. Furthermore, dyes play a significant role in innovative areas such as functional textile processing, food coloring, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8049 mL	9.0246 mL	18.0492 mL
5 mM	0.361 mL	1.8049 mL	3.6098 mL
10 mM	0.1805 mL	0.9025 mL	1.8049 mL
50 mM	0.0361 mL	0.1805 mL	0.361 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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