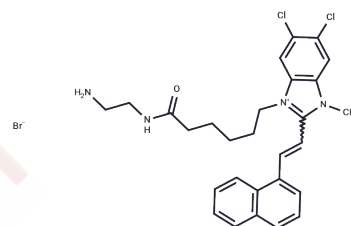


JC-D7

Chemical Properties

CAS No. : 1036271-54-1
 Formula: C₂₈H₃₁BrCl₂N₄O
 Molecular Weight: 590.39
 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	JC-D7 is a selective fluorescent probe designed for the specific labeling of synthetic polyphosphate in vitro as well as endogenous polyphosphate in living cells, enabling high-sensitivity visualization, spatial tracking, and functional analysis of polyphosphate dynamics in cellular metabolism and signaling research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6938 mL	8.469 mL	16.938 mL
5 mM	0.3388 mL	1.6938 mL	3.3876 mL
10 mM	0.1694 mL	0.8469 mL	1.6938 mL
50 mM	0.0339 mL	0.1694 mL	0.3388 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

Deitert A, Fees J, Mertens A, Nguyen Van D, Maares M, Haase H, et al. Rapid Fluorescence Assay for Polyphosphate in Yeast Extracts Using JC-D7. *Yeast*. 2024 Oct;41(10):593-604.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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