

PTZ-LD

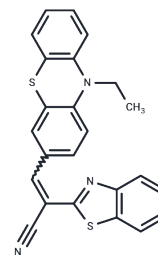
Chemical Properties

CAS No. : 2231747-49-0

Formula: C₂₄H₁₇N₃S₂

Molecular Weight: 411.54

Storage: Keep away from direct sunlight
 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	PTZ-LD, a phenothiazine-based fluorescent probe, specifically detects lipid droplets (LDs) with apparent emissivity (Ex/Em=488/570-620 nm) and is utilized in diabetic cataract (DC) research [1].
Targets(IC50)	Others
In vitro	Human lens epithelial (HLE) cells were treated with 5.5 mM glucose for 24 hours, followed by staining with PTZ-LD (5 μM) for 30 minutes before confocal imaging was performed [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4299 mL	12.1495 mL	24.299 mL
5 mM	0.486 mL	2.4299 mL	4.8598 mL
10 mM	0.243 mL	1.2149 mL	2.4299 mL
50 mM	0.0486 mL	0.243 mL	0.486 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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