

ER-thermo-Yellow

Chemical Properties

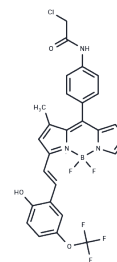
CAS No. :

Formula: C₂₇H₂₀BClF₅N₃O₃

Molecular Weight: 575.73

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	ER-thermo-Yellow is the first fluorescent probe for targeted visualization of temperature at the endoplasmic reticulum with the highest sensitivity reported so far (3.9%/°C).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7369 mL	8.6846 mL	17.3693 mL
5 mM	0.3474 mL	1.7369 mL	3.4739 mL
10 mM	0.1737 mL	0.8685 mL	1.7369 mL
50 mM	0.0347 mL	0.1737 mL	0.3474 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

Arai S, Lee SC, Zhai D, Suzuki M, Chang YT. A molecular fluorescent probe for targeted visualization of temperature at the endoplasmic reticulum. *Sci Rep.* 2014 Oct 21;4:6701. doi: 10.1038/srep06701. PubMed PMID: 25330751; PubMed Central PMCID: PMC4204065.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481