

## ER-Laurdan

## Chemical Properties

CAS No. : 3091879-77-2

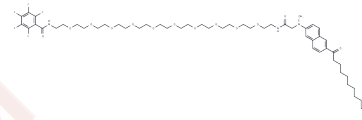
Formula: C54H80F5N3O13

Molecular Weight: 1074.22

Keep away from direct sunlight

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-Laurdan is a derivative of Laurdan, functioning as a fluorescent probe. It contains a pentafluorophenyl (PFP) group and a PEG10 linker; the PFP group can react with thiols in unfolded proteins within the endoplasmic reticulum, while the linker offers flexibility for the probe to integrate into membranes. ER-Laurdan is useful for endoplasmic reticulum studies.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9309 mL	4.6545 mL	9.3091 mL
5 mM	0.1862 mL	0.9309 mL	1.8618 mL
10 mM	0.0931 mL	0.4655 mL	0.9309 mL
50 mM	0.0186 mL	0.0931 mL	0.1862 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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Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481