

SRE-II

Chemical Properties

CAS No. :

Formula: C₁₅H₉ClINO₂

Molecular Weight: 397.59

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	SRE-II, an amide derivative, serves as an activatable photosensitizer tailored for photodynamic cancer research, exhibiting diminished fluorescence and photosensitizing properties. Upon carboxylesterase-catalyzed amide bond cleavage, it transforms into its active form, SDU Red. In light-exposed environments, SRE-II prompts DNA damage and induces cell apoptosis, highlighting its potential as a theranostic agent for triple-negative breast cancer [1].
Targets(IC50)	Apoptosis, DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5152 mL	12.5758 mL	25.1515 mL
5 mM	0.503 mL	2.5152 mL	5.0303 mL
10 mM	0.2515 mL	1.2576 mL	2.5152 mL
50 mM	0.0503 mL	0.2515 mL	0.503 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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