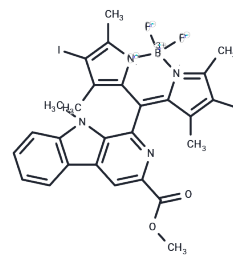


## CAR-2

## Chemical Properties

CAS No. :	3030055-40-1
Formula:	C <sub>27</sub> H <sub>23</sub> BF <sub>2</sub> I <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	738.114
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	CAR-2 is a BODIPY-based photosensitizer that induces ferroptosis in photodynamic therapy (PDT) by targeting the endoplasmic reticulum (ER) and lipid droplets (LD). It exhibits phototoxicity against breast cancer cells with an IC <sub>50</sub> of 0.01-0.02 μM and demonstrates antitumor efficacy in a 4T1 xenograft mouse model.
Targets(IC <sub>50</sub> )	Ferroptosis, Reactive Oxygen Species, Photosensitizer

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3548 mL	6.7741 mL	13.5481 mL
5 mM	0.271 mL	1.3548 mL	2.7096 mL
10 mM	0.1355 mL	0.6774 mL	1.3548 mL
50 mM	0.0271 mL	0.1355 mL	0.271 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