

## ATTO 590 NHS ester

## Chemical Properties

CAS No. :	670269-33-7
Formula:	C <sub>41</sub> H <sub>42</sub> ClN <sub>3</sub> O <sub>11</sub>
Molecular Weight:	788.24
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	ATTO 590 NHS ester, a fluorescent marker based on the Rhodamine structure, exhibits strong absorption, high fluorescence quantum yield, exceptional thermal and photochemical stability, making it ideal for single molecule detection and high-resolution microscopy. This NHS ester derivative of ATTO 590 is suitable for labeling proteins or antibodies.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2686 mL	6.3432 mL	12.6865 mL
5 mM	0.2537 mL	1.2686 mL	2.5373 mL
10 mM	0.1269 mL	0.6343 mL	1.2686 mL
50 mM	0.0254 mL	0.1269 mL	0.2537 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