

ATTO 590

## Chemical Properties

CAS No. : 639065-13-7  
Formula: C<sub>37</sub>H<sub>39</sub>ClN<sub>2</sub>O<sub>9</sub>  
Molecular Weight: 691.17  
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	ATTO 590, a novel fluorescent dye with high fluorescence yield, is suitable for most labeling applications, featuring a maximum excitation/emission wavelength of 594/622 nm.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4468 mL	7.2341 mL	14.4682 mL
5 mM	0.2894 mL	1.4468 mL	2.8936 mL
10 mM	0.1447 mL	0.7234 mL	1.4468 mL
50 mM	0.0289 mL	0.1447 mL	0.2894 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.

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