

$\alpha$ -CN-TO

## Chemical Properties

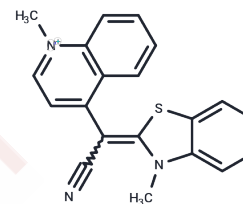
CAS No. : 1416045-49-2

Formula: C<sub>20</sub>H<sub>16</sub>N<sub>3</sub>S

Molecular Weight: 457.33

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	$\alpha$ -CN-TO is a versatile dye utilized in biological experiments to help researchers observe cell structures, track and detect biomolecules, evaluate cell functions, distinguish cell types, study tissue pathology, and monitor microorganisms. Its applications span from basic scientific research to clinical diagnostics. Additionally, dyes like $\alpha$ -CN-TO are used in traditional fields such as textile dyeing and in emerging areas such as functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1866 mL	10.933 mL	21.866 mL
5 mM	0.4373 mL	2.1866 mL	4.3732 mL
10 mM	0.2187 mL	1.0933 mL	2.1866 mL
50 mM	0.0437 mL	0.2187 mL	0.4373 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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