

## NSP-DMAE-NHS

## Chemical Properties

CAS No. : 194357-64-7

Formula: C<sub>30</sub>H<sub>26</sub>N<sub>2</sub>O<sub>9</sub>S

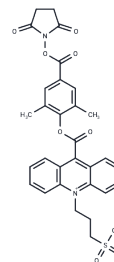
Molecular Weight: 590.6

Storage:

Keep away from moisture, Keep away from direct sunlight, Store at low temperature, Store under nitrogen

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	NSP-DMAE-NHS is an acridinium ester chemiluminescent reagent that can be covalently linked to biomolecules (e.g., proteins, antibodies, nucleic acids) to enhance detection sensitivity. Its NHS moiety reacts with amines to form stable amide bonds.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 8 mg/mL (13.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6932 mL	8.466 mL	16.9319 mL
5 mM	0.3386 mL	1.6932 mL	3.3864 mL
10 mM	0.1693 mL	0.8466 mL	1.6932 mL
50 mM	0.0339 mL	0.1693 mL	0.3386 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.

Reference

Li J, et al. An Improved Chemiluminescence Immunoassay for the Ultrasensitive Detection of Aflatoxin B1. Food Analytical Methods. 2016;9(11):3080-3086. doi:10.1007/s12161-016-0499-1

**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