

WSP-5

Chemical Properties

CAS No. : 1593024-78-2

Formula: C44H26N2O7S4

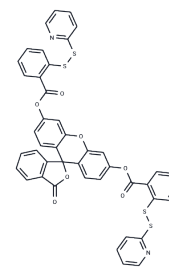
Molecular Weight: 822.95

Keep away from direct sunlight, Store at low temperature

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	WSP-5 (Washington State Probe-5) is a fluorescent probe containing an active disulfide group, used for rapid detection of H ₂ S in biological samples and cells.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 5 mg/mL (6.08 mM), Sonication is recommended. DMF: 30 mg/mL (36.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2151 mL	6.0757 mL	12.1514 mL
5 mM	0.243 mL	1.2151 mL	2.4303 mL
10 mM	0.1215 mL	0.6076 mL	1.2151 mL
50 mM	0.0243 mL	0.1215 mL	0.243 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

Gupta K, et al. H₂S contributed from CSE during cellular senescence suppresses inflammation and nitrosative stress. *Biochim Biophys Acta Mol Cell Res.* 2023 Feb;1870(2):119388.

Zhou Y, et al. Sensitivity and Selectivity Analysis of Fluorescent Probes for Hydrogen Sulfide Detection. *Chem Asian J.* 2022 Mar 1;17(5):e202101399.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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