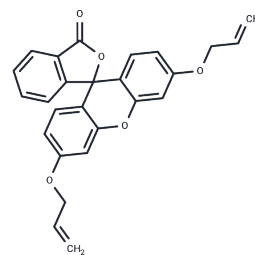


CAY10732

Chemical Properties

CAS No. : 855751-82-5
 Formula: C₂₆H₂₀O₅
 Molecular Weight: 412.43
 Storage: Store at low temperature
 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	CAY10732 is a fluorophore for the detection of hydrogen sulfide for H ₂ S imaging in living cells.
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Solubility Information

Solubility	DMF: 12 mg/mL (29.1 mM), Sonication is recommended. DMSO: 10 mg/mL (24.25 mM), Sonication is recommended. Ethanol: 1 mg/mL (2.42 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	2.4247 mL	12.1233 mL	24.2465 mL
5 mM	0.4849 mL	2.4247 mL	4.8493 mL
10 mM	0.2425 mL	1.2123 mL	2.4247 mL
50 mM	0.0485 mL	0.2425 mL	0.4849 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

Shahi Imam Reja, et al. A Highly Selective Fluorescent Probe for Detection of Hydrogen Sulfide in Living Systems: In Vitro and in Vivo Applications. Chemistry. 2017 Jul 21;23(41):9872-9878.

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