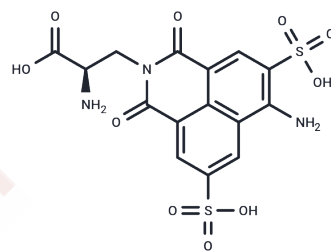


YADA

Chemical Properties

CAS No. :	1471982-33-8
Formula:	C ₁₅ H ₁₃ N ₃ O ₁₀ S ₂
Molecular Weight:	459.41
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	YADA (Lucifer Yellow 3-amino-D-alanine) is a green-yellow fluorescent dye formed by conjugating Lucifer yellow with D-alanine. It effectively labels peptidoglycans within the cell walls of actively synthesizing living bacteria. Featuring a large Stokes shift and broad emission spectrum, YADA can be excited with a purple light source and detected through a green filter. It demonstrates excellent water solubility, along with high light and thermal stability.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1767 mL	10.8835 mL	21.767 mL
5 mM	0.4353 mL	2.1767 mL	4.3534 mL
10 mM	0.2177 mL	1.0884 mL	2.1767 mL
50 mM	0.0435 mL	0.2177 mL	0.4353 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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