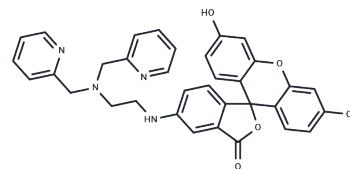


ZnAF-1

Chemical Properties

CAS No. :	321859-09-0
Formula:	C34H28N4O5
Molecular Weight:	572.621
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	ZnAF-1, a zinc sensor compound, utilizes a fluorescein-based structure incorporating the N,N-bis(2-pyridylmethyl)ethylenediamine chelating unit. Its primary function lies in the detection of Zn ²⁺ ions. Through its binding capability, ZnAF-1 achieves a 1:1 stoichiometry with Zn(II).
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7464 mL	8.7318 mL	17.4636 mL
5 mM	0.3493 mL	1.7464 mL	3.4927 mL
10 mM	0.1746 mL	0.8732 mL	1.7464 mL
50 mM	0.0349 mL	0.1746 mL	0.3493 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.

Reference

Anna Staszewska, et al. Ternary complex formation and competition quench fluorescence of ZnAF family zinc sensors. Metallomics

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