ZnAF-1

Cat. No.: HY-D0156

CAS No.: 321859-09-0

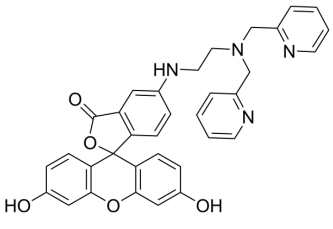
Molecular Formula: $C_{34}H_{28}N_4O_5$

Molecular Weight: 572.61

Target: Fluorescent Dye

Pathway: Others

Storage: -20°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (87.32 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7464 mL	8.7319 mL	17.4639 mL
	5 mM	0.3493 mL	1.7464 mL	3.4928 mL
	10 mM	0.1746 mL	0.8732 mL	1.7464 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ZnAF-1, a fluorescein-based zinc sensor containing the N,N-bis(2-pyridylmethyl)ethylenediamine chelating unit, can be used for Zn2+ detection . ZnAF-1 can bind Zn(II) with a 1 : 1 stoichiometry[1].

REFERENCES

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

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