

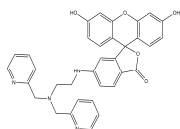
## Product: ZnAF-2, 6-Iso

ALTERNATE NAME: 6-{2-[Bis(2-pyridylmethyl)amino]ethylamino}fluorescein

CATALOG #: 2756-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C<sub>34</sub>H<sub>28</sub>N<sub>4</sub>O<sub>5</sub>

MOLECULAR WEIGHT: 572.61

CAS NUMBER: 321859-11-4

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥95% by HPCE

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: ZnAF-2, 6-iso-, is a cell-impermeable compound that acts as a high-affinity Zn<sup>2+</sup>-specific fluorescent probe (K<sub>d</sub> = 2.7 nM). It shows low basal fluorescence and the fluorescence intensity increases ~51-fold upon stoichiometric (1:1) binding to Zn<sup>2+</sup>. Exhibits little affinity towards Ca<sup>2+</sup>, Mg<sup>2+</sup>, Na<sup>+</sup>, or K<sup>+</sup>.

REFERENCE: Hirano, T., *et al.* (2002). *J. Am. Chem. Soc.* **124**, 6555-6562.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

ZnAF-2 Diacetate (Cat. No. 2755-1, 5)

ZinPyr-1 (Cat. No. 2754-5, 25)

**FOR RESEARCH USE ONLY! Not to be used on humans.**