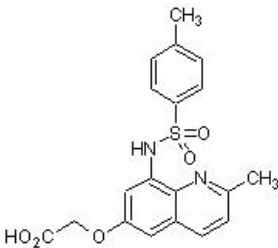


Product datasheet

Zinquin, Zn²⁺ selective fluorescent probe ab145451

1 Image

Overview

Product name	Zinquin, Zn ²⁺ selective fluorescent probe
Description	Intracellular Zn ²⁺ selective fluorescent probe
Biological description	Intracellular Zn ²⁺ selective fluorescent probe. Forms zinquin-Zn ²⁺ complexes in either 1:1 or 2:1 ratios (K_d values are 370 and 850 nM respectively). Zinquin ethyl ester (ab145478) analog. Labels micromolar concentrations of intracellular Zn ²⁺ ions with an intense extranuclear fluorescence emitting in the blue range.
Purity	> 95%
CAS Number	151606-29-0
Chemical structure	

Properties

Excitation	364nm
Emission	490nm
Chemical name	2-[[2-Methyl-8-[[[4-methylphenyl]sulfonyl]amino]-6-quinolinyl]oxy]acetic acid
Molecular weight	386.42
Molecular formula	C ₁₉ H ₁₈ N ₂ O ₅ S
PubChem identifier	132933
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and

prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our **frequently asked questions (FAQ) page** for more details.

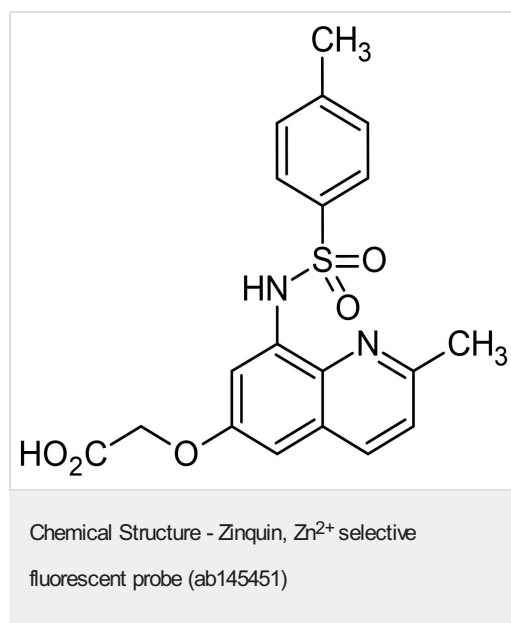
SMILES

CC1=CC=C(C=C1)S(=O)(=O)NC2=C3C(=CC(=C2)OCC(=O)O)C=CC(=N3)C

Source

Synthetic

Images



2D chemical structure image of ab145451, Zinquin, Zn²⁺-selective fluorescent probe

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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