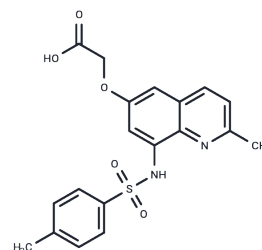


Zinquin

Chemical Properties

CAS No. :	151606-29-0
Formula:	C ₁₉ H ₁₈ N ₂ O ₅ S
Molecular Weight:	386.42
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	Zinquin is a fluorescent sensor used in the observation of reactive Zn ²⁺ (λ _{ex} : 364 nm, em: 385 nm).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (129.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5879 mL	12.9393 mL	25.8786 mL
5 mM	0.5176 mL	2.5879 mL	5.1757 mL
10 mM	0.2588 mL	1.2939 mL	2.5879 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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

Nowakowski A, et al. Sensor specific imaging of proteomic Zn²⁺ with zinquin and TSQ after cellular exposure to N-ethylmaleimide. Metallomics. 2012 May;4(5):448-56.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481