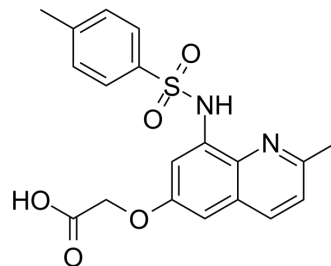


## Zinquin

Cat. No.:	HY-D0982
CAS No.:	151606-29-0
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	386.42
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (129.39 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

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

### BIOLOGICAL ACTIVITY

#### Description

Zinquin is a fluorescent sensor and used to observe reactive Zn<sup>2+</sup>.  $\lambda_{ex}/\lambda_{em}=368/490$  nm.

### REFERENCES

[1]. Nowakowski A, et al. Sensor specific imaging of proteomic Zn<sup>2+</sup> with zinquin and TSQ after cellular exposure to N-ethylmaleimide. *Metallomics*. 2012 May;4(5):448-56.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA