

## MIT-PZR

## Chemical Properties

CAS No. :	2376848-06-3
Formula:	C33H30N4OS2
Molecular Weight:	562.75
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

## Biological Description

Description	MIT-PZR is a mitochondria-targeted fluorescent probe. It is aggregation-induced emission (AIE) active and displays absorption/emission maxima of 485/705 nm, respectively. MIT-PZR can be used in live cells and in vivo.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 30 mg/mL (53.31 mM), Sonication is recommended. DMF: 30 mg/mL (53.31 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	1.777 mL	8.8849 mL	17.7699 mL
5 mM	0.3554 mL	1.777 mL	3.554 mL
10 mM	0.1777 mL	0.8885 mL	1.777 mL
50 mM	0.0355 mL	0.1777 mL	0.3554 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Dong, Y., Chen, Z., Hou, L., et al. Mitochondria-targeted aggregation-induced emission active near infrared fluorescent probe for real-time imaging. *Spectrochim. Acta. A. Mol. Biomol. Spectrosc.* 224117456(2019)

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