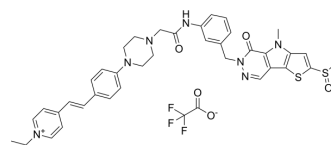


## ZY-2

Cat. No.:	HY-D1876
Molecular Formula:	C <sub>40</sub> H <sub>40</sub> F <sub>3</sub> N <sub>7</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight:	819.91
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (121.96 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.2196 mL	6.0982 mL	12.1965 mL
	5 mM	0.2439 mL	1.2196 mL	2.4393 mL
	10 mM	0.1220 mL	0.6098 mL	1.2196 mL

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

### BIOLOGICAL ACTIVITY

#### Description

ZY-2 is a specific fluorescent probe for pyruvate kinase M2 (PKM2). ZY-2 can image in PKM2-positive cells in a time- and concentration-dependent manner. ZY-2 can be used for the detection of cancer cells<sup>[1]</sup>.

### REFERENCES

[1]. Zhang Y, et al. A responsive fluorescent probe for detecting and imaging pyruvate kinase M2 in live cells. Chem Commun (Camb). 2022, 58(45): 6494-6497.

**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