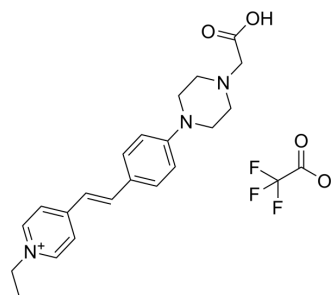


ZY-1

Cat. No.: HY-D1877
Molecular Formula: C₂₃H₂₆F₃N₃O₄
Molecular Weight: 465.47
Target: Pyruvate Kinase
Pathway: Metabolic Enzyme/Protease
Storage: 4°C, sealed storage, away from moisture and light
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (214.84 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1484 mL	10.7418 mL	21.4837 mL
	5 mM	0.4297 mL	2.1484 mL	4.2967 mL
	10 mM	0.2148 mL	1.0742 mL	2.1484 mL

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

BIOLOGICAL ACTIVITY

Description

ZY-1 is a control molecule of ZY-2 (HY-D1876, a PKM2 fluorescent probe). ZY-1 shows a low fluorescence emission in HeLa, a cervical cancer cell abundant in PKM2 expression^[1].

REFERENCES

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

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

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