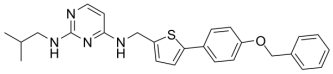
ZY-444

Cat. No.:	HY-142870		
CAS No.:	1802650-31-2		
Molecular Formula:	$C_{26}H_{28}N_4OS$		
Molecular Weight:	444.59		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (224.93 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.2493 mL	11.2463 mL	22.4926 mL
5 mM	0.4499 mL	2.2493 mL	4.4985 mL
10 mM	0.2249 mL	1.1246 mL	2.2493 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (5.62 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ZY-444 is a small molecule that suppresses breast cancer progression by targeting pyruvate carboxylase.

REFERENCES

[1]. Lin Q, et al. Targeting Pyruvate Carboxylase by a Small Molecule Suppresses Breast Cancer Progression. Adv Sci (Weinh). 2020 Mar 12;7(9):1903483.

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

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