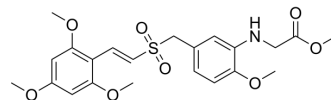


Anticancer agent 9

Cat. No.:	HY-78884		
CAS No.:	592542-61-5		
Molecular Formula:	C ₂₂ H ₂₇ NO ₈ S		
Molecular Weight:	465.52		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (107.41 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1481 mL	10.7407 mL	21.4814 mL
	5 mM	0.4296 mL	2.1481 mL	4.2963 mL
	10 mM	0.2148 mL	1.0741 mL	2.1481 mL

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

BIOLOGICAL ACTIVITY

Description

Anticancer agent 9, a glycine derivative, is an anticancer agent. Anticancer agent 9 can inhibit tumor cells viability of myelogenous leukemia and human prostate cancer^[1].

In Vitro

Anticancer agent 9 (compound 24) (96 h) inhibits the cell growth, with IC₅₀s of 0.1 μM and 0.1 μM for K562 and DU145 cells, respectively^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pallela VR, et, al. Hydrothiolation of benzyl mercaptan to arylacetylene: application to the synthesis of (E) and (Z)-isomers of ON 01910•Na (Rigosertib®), a phase III clinical stage anti-cancer agent. *Org Biomol Chem.* 2013 Mar 28;11(12):1964-77.

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

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