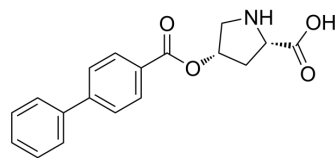


SN05

Cat. No.:	HY-146242		
CAS No.:	2768663-51-8		
Molecular Formula:	C ₁₈ H ₁₇ NO ₄		
Molecular Weight:	311.33		
Target:	EAAT; ASCT		
Pathway:	Membrane Transporter/Ion Channel		
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 (321.20 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.2120 mL	16.0601 mL	32.1203 mL
		5 mM	0.6424 mL	3.2120 mL	6.4241 mL
10 mM		0.3212 mL	1.6060 mL	3.2120 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (16.06 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 5 mg/mL (16.06 mM); Clear solution; Need ultrasonic 				

BIOLOGICAL ACTIVITY

Description	SN05 is a potent amino acid transport (AAT) inhibitor with K _i s of 2.77 μM, 0.73 μM, 0.87 μM, 3.7 μM, 7.25 μM, 7.23 μM and 2.22 μM for human ASCT1, rat ASCT2, human ASCT2, EAAT1, EAAT2, EAAC1 and EAAT5, respectively. SN05 can be used for researching anticancer ^[1] .			
IC₅₀ & Target	EAAT1 3.7 μM (Ki)	EAAT2 7.25 μM (Ki)	EAAC1 7.23 μM (Ki)	EAAT5 2.22 μM (Ki)
	human ASCT1 2.77 μM (Ki)	human ASCT2 0.87 μM (Ki)	rat ASCT2 0.73 μM (Ki)	

REFERENCES

[1]. Christof GREWER, et al. Inhibitors of amino acid transport. WO2022087630A1

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