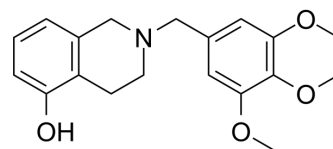


HA-CD44 interaction inhibitor 2

Cat. No.:	HY-149897		
Molecular Formula:	C ₁₉ H ₂₃ NO ₄		
Molecular Weight:	329.39		
Target:	Biochemical Assay Reagents		
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 (303.59 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0359 mL	15.1796 mL	30.3591 mL
		5 mM		0.6072 mL	3.0359 mL	6.0718 mL
10 mM		0.3036 mL	1.5180 mL	3.0359 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 >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (7.59 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.59 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (7.59 mM); Clear solution; Need ultrasonic 					

BIOLOGICAL ACTIVITY

Description	Antitumor agent-108 (compound 5) is an Hyaluronic acid (HA)-CD44 interaction inhibitor that effectively disrupts the integrity of cancer spheroids. Antitumor agent-108 also exhibits antiproliferative activity against cancer cells ^[1] .
IC₅₀ & Target	Hyaluronic acid (HA)-CD44 ^[1] .

REFERENCES

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

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