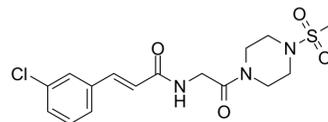


SR15006

Cat. No.:	HY-139691
CAS No.:	2505001-54-5
Molecular Formula:	C ₁₆ H ₂₀ ClN ₃ O ₄ S
Molecular Weight:	385.87
Target:	KLF
Pathway:	MAPK/ERK Pathway
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (259.15 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.5915 mL	12.9577 mL	25.9155 mL
		5 mM	0.5183 mL	2.5915 mL	5.1831 mL
	10 mM	0.2592 mL	1.2958 mL	2.5915 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.48 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.48 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.48 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	SR15006 is a inhibitor of Krüppel-like factor 5 (KLF5) with an IC ₅₀ of 41.6 nM in DLD-1/pGL4.18hKLF5p cells) ^[1] .
In Vitro	SR15006 (1 μM or 10 μM; DLD-1 CRC cells) causes a significant reduction in the levels of tested cyclins over the course of 72 hours ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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