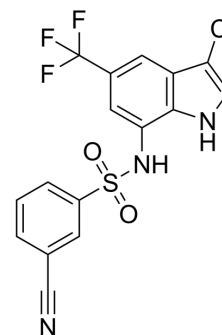


SR-3-65

Cat. No.:	HY-161362
Molecular Formula:	C ₁₆ H ₉ ClF ₃ N ₃ O ₂ S
Molecular Weight:	399.77
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SR-3-65 (compound 6) is a Indisulam (HY-13650) derivative, and inhibits the migration of gastric cancer cells. SR-3-65 attenuates PI3K/AKT/GSK-3β/β-catenin signaling pathway ^[1] .	
In Vitro	SR-3-65 (0.0001-100 μM, 48h) inhibits the cell growth of AGS cells with the IC ₅₀ of 24.75 μM ^[1] . SR-3-65 (10 μM, 48-72 h) shows anti-migration activity in AGS and MGC803 cells ^[1] . SR-3-65 (10 μM, 48 h) upregulates E-cadherin and downregulated N-cadherin and vimentin in AGS and MGC803 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Cell Viability Assay ^[1]	
	Cell Line:	AGS cells
	Concentration:	0.0001-100 μM
	Incubation Time:	48 h
	Result:	Inhibited the cell growth of AGS cells with the IC ₅₀ of 24.75 μM
	Cell Migration Assay ^[1]	
	Cell Line:	AGS and MGC803 cells
	Concentration:	10 μM
	Incubation Time:	48-72 h
Result:	Showed anti-migration activity in AGS and MGC803 cells.	
Western Blot Analysis ^[1]		
Cell Line:	MGC803 cells	
Concentration:	10 μM	
Incubation Time:	48 h	
Result:	Upregulated E-cadherin and downregulated N-cadherin and vimentin.	

REFERENCES

[1]. Hou C, et al. Subtle structural alteration in indisulam switches the molecular mechanisms for the inhibitory effect on the migration of gastric cancer cells. *Biomed Pharmacother.* 2024;172:116259.

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