WXM-1-170

Cat. No.: HY-158017

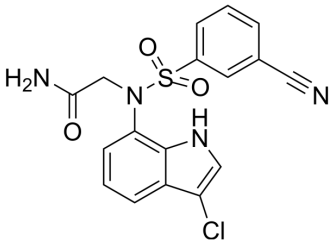
Molecular Formula: $C_{17}H_{13}ClN_4O_3S$

Molecular Weight: 388.83

Target: PI3K

Pathway: PI3K/Akt/mTOR

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

WXM-1-170 (compound 10) is a Indisulam (HY-13650) derivative,and inhibits the migration of gastric cancer cells. WXM-1-170 attenuates PI3K/AKT/GSK-3β/β-catenin signaling pathway[1].

In Vitro

WXM-1-170 (0.0001-100 μM, 48h) inhibits the cell growth of AGS cells with the IC_{50} of 34.68 μM[1].
WXM-1-170 (10 μM, 48 and 72 h) shows anti-migration activity in AGS and MGC803 cells[1].
WXM-1-170 (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 34.68 μM.

Cell Migration Assay [1]

Cell Line:	AGS and MGC803 cells
Concentration:	10 μM
Incubation Time:	48 and 72 h
Result:	Showed anti-migration activity in AGS and MGC803 cells

Western Blot Analysis[1]

Cell Line:	AGS and MGC803 cells
Concentration:	10 μM
Incubation Time:	48 h
Result:	Upregulated E-cadherin and downregulated N-cadherin and vimentin in AGS and MGC803

	cells.

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.

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