OMS14

Cat. No.: HY-161366

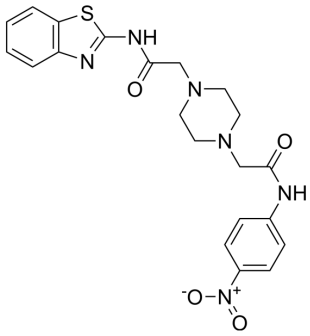
Molecular Formula: $C_{21}H_{22}N_6O_4S$

Molecular Weight: 454.5

Target: PI3K

Pathway: PI3K/Akt/mTOR

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



BIOLOGICAL ACTIVITY

Description	OMS14 is exhibits inhibitory activity for phosphoinositide 3-kinase γ (PI3Kγ) and PIK3CD/PIK3R1, which inhibits 19% PI3Kγ and 65% PIK3CD/PIK3R1 activity at 100 μM. OMS14 exhibits anticancer efficacy in various cancer cells[1].
IC_{50} & Target	PI3Kγ
In Vitro	OMS14 (0-100 μM) inhibits proliferations of cells A549 and MCF-7, with IC_{50}s of 22.13 and 26.09 μM, respectively[1]. OMS14 (100 μg/mL) inhibits colony formations of Staphylococcus aureus with an inhibition diameter of 15 mm[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Viability Assay[1]

Cell Line:	A549 and MCF-7
Concentration:	0-100 μM
Incubation Time:	72 h
Result:	Inhibited cell proliferations.

REFERENCES

[1]. Salih O M, et al., Novel 2-Aminobenzothiazole Derivatives: Docking, Synthesis, and Biological Evaluation as Anticancer Agents[J]. ACS Omega, 2024.

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