Anticancer agent 89

Cat. No.: HY-151587

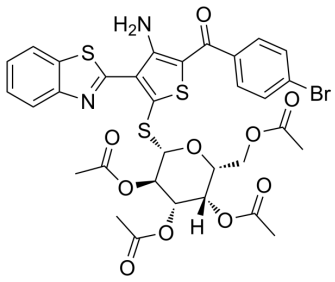
Molecular Formula: $C_{32}H_{29}BrN_2O_{10}S_3$

Molecular Weight: 777.68

Target: Others

Pathway: Others

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



BIOLOGICAL ACTIVITY

Description

Anticancer agent 89 is a benzothiazole-2-thiophene S-glycoside derivative with antitumor activity, has high inhibition against the three cell line from ovarian cancer (OVCAR-4), renal cancer (A498), and melanoma (SK-MEL-5)[1].

In Vitro

Anticancer agent 89 (compound 6f) (0.01 mM; 24 h) has low cytotoxicity, shows high inhibition against three cell lines, SK-MEL-5, OVCAR-4, and A498[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Cytotoxicity Assay[1]

Cell Line:	FRHK-4, Hep2, BGM, Vero, and Huh 7.5 cell lines
Concentration:	0-200 μg/mL
Incubation Time:	24 hours
Result:	Showed nontoxic under the doses of 90 μg/mL (FRHK-4), 90 μg/mL (Hep2), μg/mL (BGM), 90 μg/mL (Vero), and 100 μg/mL (Huh 7.5), respectively.

Cell Viability Assay[1]

Cell Line:	SK-MEL-5, OVCAR-4, and A498
Concentration:	0.01 mM
Incubation Time:	24 hours
Result:	Inhibited SK-MEL-5, OVCAR-4, and A498 cell viability by 36.29%, 46.89%, and 36.08%, respectively.

REFERENCES

[1]. Lei H, et al. Discovery of Novel, Potent, and Selective Small-Molecule Menin-Mixed Lineage Leukemia Interaction Inhibitors through Attempting Introduction of Hydrophilic Groups. J Med Chem. 2022 Oct 13;65(19):13413-13435.

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

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