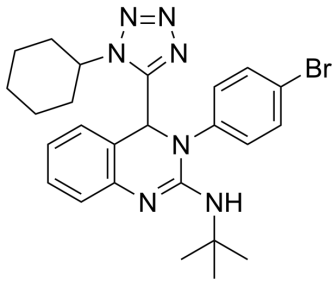
Anticancer agent 77

Cat. No.:	HY-151092
CAS No.:	2787582-75-4
Molecular Formula:	$C_{25}H_{30}BrN_7$
Molecular Weight:	508.46
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Anticancer agent 77 (Compound 6c) shows anticancer activity, and can be widely used in synthesis and medicinal chemistry research[1].

In Vitro

Anticancer agent 77 (0-1 μM) can inhibit the proliferation of breast cancer cells[1].
Anticancer agent 77 (0-1 μM; 24 h) can induce the apoptosis of breast cancer cells[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Cell Proliferation Assay[1]

Cell Line:	Glioma cells
Concentration:	0, 0.3, and 1 μM
Incubation Time:	
Result:	Decreased the number of EdU positive cells in breast cancer in a concentration-dependent manner.

Apoptosis Analysis[1]

Cell Line:	Breast cancer cells
Concentration:	0, 0.3, and 1 μM
Incubation Time:	24 hour
Result:	Promoted the apoptosis of breast cancer cells compared with the control group.

REFERENCES

[1]. Jun Xiong, et al. Synthesis of 4-Tetrazolyl-Substituted 3,4-Dihydroquinazoline Derivatives with Anticancer Activity via a One-Pot Sequential Ugi-Azide/Palladium-Catalyzed Azide-Isocyanide Cross-Coupling/Cyclization Reaction. J Org Chem. 2022 Aug 5;87(15):9488-9496.

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