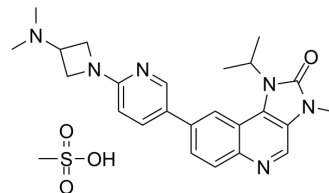


Antitumor agent-28

Cat. No.:	HY-141478
CAS No.:	2097499-67-5
Molecular Formula:	C ₂₅ H ₃₂ N ₆ O ₄ S
Molecular Weight:	512.62
Target:	ATM/ATR
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor agent-28 selectively inhibits ataxia telangiectasia mutated (ATM) kinase. Antitumor agent-28 prevents ATM mediated disease and has potent anti-cancer activity ^[1] .	
IC₅₀ & Target	ATM	ATR
In Vitro	Antitumor agent-28 inhibits ataxia telangiectasia mutated (ATM; IC ₅₀ =7.6 nM; HT29 cells), ataxia telangiectasia and Rad3-related protein (ATR; IC ₅₀ =18 μM; HT29 cells), PI3Ka (IC ₅₀ =0.24 μM; BT474 cells). Antitumor agent-28 does not inhibit mTOR in MDA-MB-468 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Kurt Gordon Pike, et al. Composés imidazo[4,5c]quinoline-2-one et leur utilisation dans le traitement du cancer. WO2017076898A1.

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