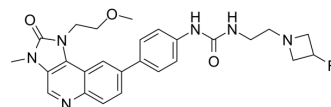


ATM Inhibitor-4

Cat. No.:	HY-144687
CAS No.:	2769140-74-9
Molecular Formula:	C ₂₆ H ₂₉ FN ₆ O ₃
Molecular Weight:	492.55
Target:	ATM/ATR; PI3K; mTOR
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	ATM Inhibitor-4 (compound 39) is a potent and selective ATM inhibitor, with an IC ₅₀ of 0.32 nM. ATM Inhibitor-4 shows stronger inhibition of PI3K kinases family. ATM Inhibitor-4 shows a full inhibition of mTOR at 1 μM. ATM Inhibitor-4 exhibits favorable metabolic stability ^[1] .		
IC ₅₀ & Target	ATM 0.32 nM (IC ₅₀)	PI3K	mTOR

REFERENCES

[1]. Dimitrov T, et al. Development of novel urea-based ATM kinase inhibitors with subnanomolar cellular potency and high kinome selectivity. Eur J Med Chem. 2022 May 5;235:114234.

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

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