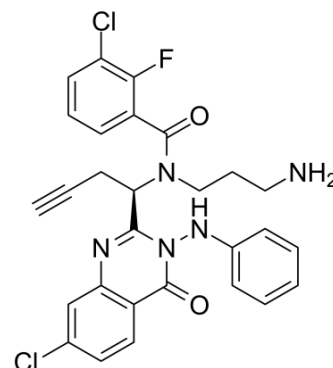


ARQ 621

Cat. No.:	HY-16062
CAS No.:	1095253-39-6
Molecular Formula:	C ₂₈ H ₂₄ Cl ₂ FN ₅ O ₂
Molecular Weight:	552.43
Target:	Kinesin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	ARQ 621 is an allosteric, potent and selective inhibitor of Eg5, a microtubule-based ATPase motor protein involved in cell division. Anti-tumor activity ^[1] . ARQ 621 is a kinesin inhibitor ^[2] .
IC ₅₀ & Target	Eg5
In Vitro	Over-expression of Eg5 causes genomic instability and tumor formation in mice; therefore, Eg5 is a potential anti-cancer target ^[1] .

REFERENCES

[1]. L. C. Chen, et al. First-in-human study with ARQ 621, a novel inhibitor of Eg5: Final results from the solid tumors cohort. *J Clin Oncol*. 2011, May (20): 3076-3076.

[2]. Lindsay S Roberts, et al. Mapping Novel Metabolic Nodes Targeted by Anti-Cancer Drugs that Impair Triple-Negative Breast Cancer Pathogenicity. *ACS Chem Biol*. 2017 Apr 21;12(4):1133-1140.

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