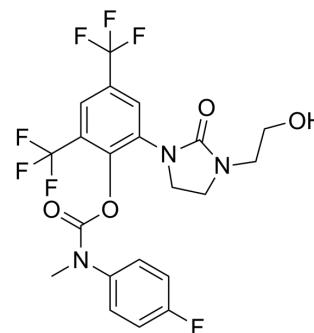


RTx-161

Cat. No.:	HY-161430
Molecular Formula:	C ₂₁ H ₁₈ F ₇ N ₃ O ₄
Molecular Weight:	509.37
Target:	DNA/RNA Synthesis; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

RTx-161 is an allosteric Polθ polymerase inhibitor with an IC₅₀ value of 4.1 nM. RTx-161 selectively kills HR-deficient cancer cells and suppresses PARP inhibitor (PARPi) resistance in multiple genetic backgrounds, including HR-proficient cells. Additionally, RTx-161 can induce apoptosis^[1].

REFERENCES

[1]. Fried W, et al. Discovery of a small-molecule inhibitor that traps Polθ on DNA and synergizes with PARP inhibitors[J]. Nature communications, 2024, 15(1): 2862.

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