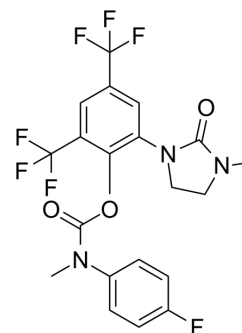


RTx-152

Cat. No.:	HY-161431
Molecular Formula:	C ₂₀ H ₁₆ F ₇ N ₃ O ₃
Molecular Weight:	479.35
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

RTx-152 traps Polθ on DNA and is an allosteric Polθ-pol inhibitor (IC₅₀: 6.2 nM). RTx-152 selectively kills HR-deficient cancer cells, and suppresses PARP inhibitor resistance in multiple genetic backgrounds, including homologous recombination (HR)-proficient cells. RTx-152 selectively kills BRCA2-null cells^[1].

REFERENCES

[1]. Fried W, et al. Discovery of a small-molecule inhibitor that traps Polθ on DNA and synergizes with PARP inhibitors. Nat Commun. 2024 Apr 5;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