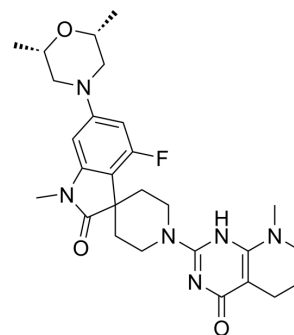


RK-582

Cat. No.:	HY-137849
CAS No.:	2171388-28-4
Molecular Formula:	C ₂₇ H ₃₅ FN ₆ O ₃
Molecular Weight:	510.6
Target:	PARP
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	RK-582 is an orally active, spiroindolinone-based selective inhibitor of tankyrase. The IC ₅₀ s of RK-582 against TNKS1/PARP5A and PARP1 are 36.1 nM and 18.168 nM, respectively. RK-582 inhibits rectal cancer COLO-320DM cells (GI ₅₀ =0.23 μM) and significantly inhibits tumor growth in a COLO-320DM mouse xenograft model ^[1] .
IC ₅₀ & Target	IC ₅₀ : 36.1 nM (TNKS1/PARP5A), 18.168 nM (PARP1) ^[1]

REFERENCES

[1]. Shirai F et al. Design and Discovery of an Orally Efficacious Spiroindolinone-Based Tankyrase Inhibitor for the Treatment of Colon Cancer. J Med Chem. 2020 Apr 23;63(8):4183-4204.

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