

TRBP-IN-1

## Chemical Properties

CAS No. :

Formula: C25H23F3N2O5S

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	TRBP-IN-1 (Compound 13j) is an orally active inhibitor of TAR RNA-binding protein 2 (TRBP) with an IC50 of 12.72 $\mu$ M. It exhibits significant anti-hepatocellular carcinoma (HCC) activity, effectively suppressing proliferation and metastasis of HCC cells [HCCLM3 cells (IC50: 18.96 $\mu$ M) and SK-Hep-1 cells (IC50: 16.45 $\mu$ M)]. TRBP-IN-1 modulates miRNA biosynthesis by targeting TRBP, inhibiting the expression of oncogenic miRNAs. It induces apoptosis and pyroptosis in HCC cells by decreasing miRNA levels. TRBP-IN-1 is suitable for research on targeted HCC therapy.
Targets(IC50)	Apoptosis,Pyroptosis,DNA/RNA Synthesis,MicroRNA

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481