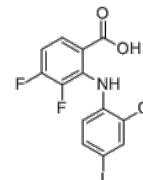


Product Name : Zapnometinib
Cat. No. : PC-38429
CAS No. : 303175-44-2
Molecular Formula : C₁₃H₇ClF₂INO₂
Molecular Weight : 409.555
Target : MEK (MAP2K)
Solubility : 10 mM in DMSO



Biological Activity

Zapnometinib (ATR-002, PD0184264) is the active metabolite of CI-1040, a novel MEK inhibitor (IC₅₀=30.96 nM, cell free assay) with broad antiviral activity against different influenza virus strains, as well as SARS-CoV-2.

Zapnometinib (ATR-002, PD0184264) inhibits ERK-phosphorylation in human PBMCs and intracellular deposition.

Zapnometinib (ATR-002, PD0184264) exhibited antiviral effect against H1N1pdm09 or the H3N2 strain and on MDCK II cells with EC₅₀ of 4.190-6.356 μM.

Zapnometinib (ATR-002, PD0184264) also efficiently blocks SARS-CoV-2 propagation and alleviates pro-inflammatory cytokine/chemokine responses.

References

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Schreiber A, et al. Cell Mol Life Sci. 2022 Jan 10;79(1):65.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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