FTI-277

Cat. No.: HY-15872
CAS No.: 170006-73-2
Molecular Formula: C₂₂H₂₉N₃O₃S₂
Molecular Weight: 447.61
Target: Farnesyl Transferase
Pathway: Metabolic Enzyme/Protease
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description
FTI-277 is an inhibitor of farnesyl transferase (FTase); a highly potent Ras CAAX peptidomimetic which antagonizes both H- and K-Ras oncogenic signaling. IC₅₀ value: Target: FTase inhibitor.

in vitro: Treatment with FTI-277 (20 microM) for 48 h prior to irradiation led to a significant decrease in survival of radioresistant cells expressing the 24-kDa isoform (HeLa 3A) but had no effect on the survival of control cells (HeLa PINA). The radiosensitizing effect of FTI-277 is accompanied by a stimulation of postmitotic cell death in HeLa 3A cells and by a reduction in G(2)/M-phase arrest in both cell types [1]. Treatment of PC-3 cells with GGTI-298 and FTI-277 inhibited migration and invasion in a time- and dose-dependent manner [3].
in vivo: FTI-277 treatment prevented increased PTP-1B and PTEN protein expression in burned mice as compared with vehicle alone. In contrast, FTI-277 did not significantly alter protein expression of PTP-1B and PTEN in sham-burned mice [2].

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REFERENCES


