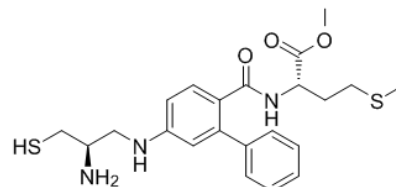


Product Name : FTI-277
Cat. No. : PC-44766
CAS No. : 170006-73-2
Molecular Formula : C₂₂H₂₉N₃O₃S₂
Molecular Weight : 447.614
Target : Farnesyl transferase (FTase)
Solubility : 10 mM in DMSO



Biological Activity

FTI-277 is a peptide mimetic of the C-terminal Cys-Val-Ile-Met of K-Ras4B that potently inhibits **FTase** (Farnesyltransferase) with IC₅₀ of 0.5 nM.

FTI-277 highly selective for FTase over GGTase I (IC₅₀ = 50 nM).

FTI-277 extremely potent (IC₅₀=100 nM) at inhibiting H-Ras in whole cells.

FTI-277 blocks Ras oncogenic signaling by accumulating inactive Ras/Raf complexes in the cytoplasm.

References

Lerner EC, et al. *J Biol Chem*. 1995 Nov 10;270(45):26802-6.

Bernhard EJ, et al. *Cancer Res*. 1996 Apr 15;56(8):1727-30.

Bolick SC, et al. *Leukemia*. 2003 Feb;17(2):451-7.

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

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