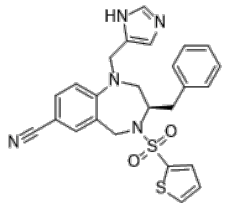
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BMS-214662
Cat. No.	:	PC-24422
CAS No.	:	195987-41-8
Molecular Formula	:	$C_{25}H_{23}N_5O_2S_2$
Molecular Weight	:	489.61
Target	:	Farnesyl transferase (FTase)
Solubility	:	10 mM in DMSO



CAS: 195987-41-8

Biological Activity

BMS-214662 is a potent, selective **farnesyltransferase** (**FTase**) inhibitor with IC50 of 1.35 nM, inhibits anchorage-independent growth of H-ras transformed NIH3T3 cells in soft agar EC50 of 25 nM.
BMS-214662 is over 1000-fold selective over the related enzyme GGT1.
BMS-214662 has IC50 values for inhibition of geranylgeranylation of Ras-CVLL and K-Ras of 1.3 and 2.3 μM, respectively.
BMS-214662 reversed the H-Ras-transformed phenotype but not that of K-Ras or other oncogenes.
BMS-214662 (300 mg/kg) achieved curative efficacy when given orally in the HCT-116 human colon tumor model.
BMS-214662 demonstrated broad spectrum activity against human tumors, but murine tumors were not as sensitive.

References

Rose WC, et al. ***Cancer Res.*** 2001 Oct 15;61(20):7507-17.

Hunt JT, et al. ***J Med Chem.*** 2000 Oct 5;43(20):3587-95.

E-mail: tech@probechem.com