

XR3054

Chemical Properties

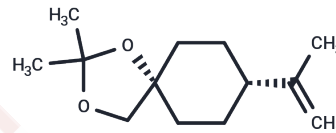
CAS No. : 247090-97-7

Formula: C₁₃H₂₂O₂

Molecular Weight: 210.31

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	XR3054 is a novel inhibitor of farnesyl protein transferase (FPTase). XR3054 inhibited the proliferation of the prostatic cancer cell lines LnCAP and PC3 and the colon carcinoma SW480 and HT1080 (IC ₅₀ values of 12.4, 12.2, 21.4 and 8.8 microM, respectively) but was relatively inactive when tested against a panel of breast carcinoma cell lines. The activity did not relate to the presence of mutant or wild-type ras in the cell lines tested. In conclusion XR3054 inhibits ras farnesylation, MAP kinase activation and anchorage-independent growth in NIH 3T3 transformed with v12 H-ras. Since the antiproliferative effect of the compound is not related to the ras phenotype, XR3054 may also have effects on other cell signaling mechanisms.
Targets(IC ₅₀)	Others,Transferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7549 mL	23.7744 mL	47.5489 mL
5 mM	0.951 mL	4.7549 mL	9.5098 mL
10 mM	0.4755 mL	2.3774 mL	4.7549 mL
50 mM	0.0951 mL	0.4755 mL	0.951 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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