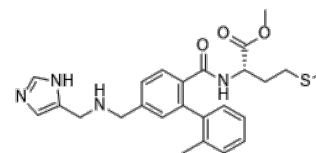


**Product Name** : FTI-2153  
**Cat. No.** : PC-22629  
**CAS No.** : 344900-92-1  
**Molecular Formula** : C<sub>25</sub>H<sub>30</sub>N<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 466.60  
**Target** : Farnesyl transferase (FTase)  
**Solubility** : 10 mM in DMSO



CAS: 344900-92-1

## Biological Activity

FTI-2153 is the methylester prodrug of FTI-2148, a potent, selective farnesyltransferase (FTase) inhibitor with IC<sub>50</sub> of 1.4 nM. FTI-2153 is >3000-fold more potent at inhibiting H-Ras (IC<sub>50</sub>, 10 nM) than Rap1A processing.

FTI-2153 is highly effective at suppressing oncogenic H-Ras constitutive activation of mitogen-activated protein kinase and human tumor growth in soft agar.

FTI-2153 blocks bipolar spindle formation and chromosome alignment and causes prometaphase accumulation during mitosis of human lung cancer cells.

## References

Sun J, et al. Cancer Res. 1999 Oct 1;59(19):4919-26.

Crespo NC, et al. J Biol Chem. 2001 May 11;276(19):16161-7.

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

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