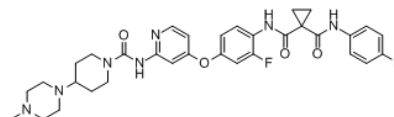


**Product Name** : E-7050  
**Cat. No.** : PC-43372  
**CAS No.** : 928037-13-2  
**Molecular Formula** : C<sub>33</sub>H<sub>37</sub>F<sub>2</sub>N<sub>7</sub>O<sub>4</sub>  
**Molecular Weight** : 633.6882  
**Target** : c-Met (HGFR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

E-7050 (Golvatinib) is a potent, dual **c-Met** and **VEGFR-2** tyrosine kinase inhibitor with IC<sub>50</sub> of 14 and 16 nM (kinase phosphorylation inhibition).

E-7050 (Golvatinib) also strongly inhibits the growth of MKN45, EBC-1, Hs746T, and SNU-5 tumor cells with IC<sub>50</sub> values of 37, 6.2, 23, and 24 nM, respectively.

E-7050 (Golvatinib) selectively inhibits the growth of the c-Met amplified tumor cell lines in vitro.

E-7050 (Golvatinib) specifically inhibits HGF and VEGF stimulated HUVEC growth with IC<sub>50</sub> values of 17 nM and 84 nM respectively, but bFGF stimulated HUVEC.

E-7050 (Golvatinib) demonstrates inhibition of the phosphorylation of c-Met and VEGFR-2 in tumors, and strong inhibition of tumor growth and tumor angiogenesis in xenograft models.

## References

Nakagawa T, et al. *Cancer Sci.* 2010 Jan;101(1):210-5.

Wang W, et al. *Clin Cancer Res.* 2012 Mar 15;18(6):1663-71.

Nakagawa T, et al. *Mol Cancer Ther.* 2012 Oct;11(10):2149-57.

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

E-mail: tech@probechem.com