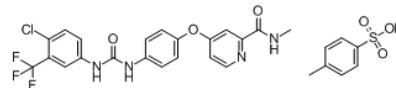


**Product Name** : Sorafenib tosylate  
**Cat. No.** : PC-42446  
**CAS No.** : 475207-59-1  
**Molecular Formula** : C<sub>28</sub>H<sub>24</sub>ClF<sub>3</sub>N<sub>4</sub>O<sub>6</sub>S  
**Molecular Weight** : 637.0266  
**Target** : Raf  
**Solubility** : DMSO: ≥ 31 mg/mL  
4. Lyons JF, et al. *Endocr Relat Cancer*. 2001 Sep;8(3):219-25.



## Biological Activity

A potent, orally available Raf inhibitor with IC<sub>50</sub> of 6, 22, and 38 nM for Raf-1, wt Braf, and Braf V599E, respectively; Also demonstrates potent inhibition of certain proangiogenic RTKs, including VEGFR-2, PDGFR-β, VEGFR-3, Flt-3, c-Kit (IC<sub>50</sub><100 nM); Exhibits broad spectrum oral antitumor activity and targets the RAF/MEK/ERK pathway and receptor tyrosine kinases involved in tumor progression and angiogenesis.

Kidney Cancer  
Approved

## References

- Wilhelm SM, et al. *Cancer Res*. 2004 Oct 1;64(19):7099-109.  
Carlomagno F, et al. *J Natl Cancer Inst*. 2006 Mar 1;98(5):326-34.

