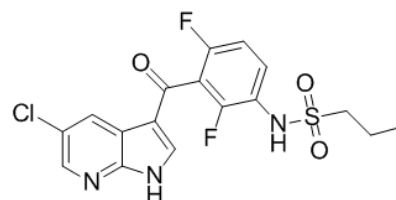


**Product Name** : PLX-4720  
**Cat. No.** : PC-45918  
**CAS No.** : 918505-84-7  
**Molecular Formula** : C<sub>17</sub>H<sub>14</sub>ClF<sub>2</sub>N<sub>3</sub>O<sub>3</sub>S  
**Molecular Weight** : 413.8262  
**Target** : Raf  
**Solubility** : 10 mM in DMSO



## Biological Activity

PLX-4720 (PLX4720) is a potent and selective inhibitor of **B-Raf V600E** with IC<sub>50</sub> of 13 nM.

PLX-4720 displays 10-fold selectivity over wild-type B-Raf, and remarkably selective against a diverse panel of 70 other kinases.

PLX-4720 inhibits ERK phosphorylation in COLO25 cells with IC<sub>50</sub> of 14 nM.

PLX-4720 induces cell cycle arrest and apoptosis exclusively in B-Raf(V600E)-positive cells.

PLX-4720 inhibits tumor growth in B-Raf(V600E)-dependent tumor xenograft models; orally active.

## References

Tsai J, et al. *Proc Natl Acad Sci U S A*. 2008 Feb 26;105(8):3041-6.

Hatzivassiliou G, et al. *Nature*. 2010 Mar 18;464(7287):431-5.

Jiang CC, et al. *Clin Cancer Res*. 2011 Feb 15;17(4):721-30.

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

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