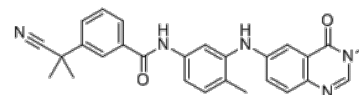


**Product Name** : AZ-628  
**Cat. No.** : PC-73450  
**CAS No.** : 878739-06-1  
**Molecular Formula** : C<sub>27</sub>H<sub>25</sub>N<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 451.530  
**Target** : Raf  
**Solubility** : 10 mM in DMSO



## Biological Activity

AZ-628 (AZD-628) is a potent, selective, **pan-RAF** kinase inhibitor with IC<sub>50</sub> of 105, 29 and 34 nM against for wild-type CRAF, BRAF V600E, and c-Raf-1, respectively.

AZ628 prevents activation of number of tyrosine protein kinases including VEGFR2, DDR2, Lyn, Flt1, FMS and others.

AZ628 suppresses anchorage-dependent and -independent growth, gives rise to cell cycle arrest, and induces apoptosis in colon and melanoma cell lines harboring B-RafV600E mutation.

AZ628 effectively suppressed p-ERK1/2 levels in the M14 parental cell line.

## References

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Vladimir Khazak, et al. *Expert Opin Ther Targets*. 2007 Dec;11(12):1587-609.

Clara Montagut, et al. *Cancer Res*. 2008 Jun 15;68(12):4853-61.

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

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