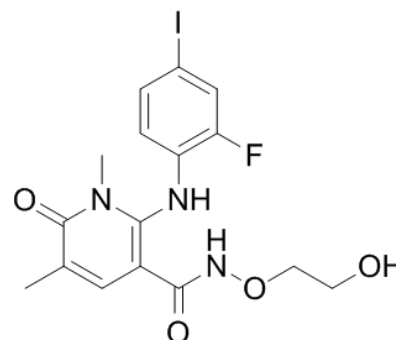


**Product Name** : AZD8330  
**Cat. No.** : PC-42872  
**CAS No.** : 869357-68-6  
**Molecular Formula** : C<sub>16</sub>H<sub>17</sub>FIN<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 461.2267  
**Target** : MEK (MAP2K)  
**Solubility** : 10 mM in DMSO



### Biological Activity

AZD8330 (ARRY-424704, ARRY-704) is a potent, selective, non-ATP competitive **MEK1/2** inhibitor with IC<sub>50</sub> of 7 nM. AZD8330 displays no inhibitory activity against a panel of >200 other kinases. AZD8330 demonstrates sub-nanomolar potency in mechanistic (pERK) and low to sub-nanomolar potency in functional (proliferation) assays in MEK1/2 inhibitor sensitive cell lines. AZD8330 inhibits ERK phosphorylation and causes tumor growth inhibition in Calu-6 rat xenograft.

### References

Cohen RB, et al. *Eur J Cancer*. 2013 May;49(7):1521-9.  
Baranski Z, et al. *Genes Cancer*. 2015 Nov;6(11-12):503-12.

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

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