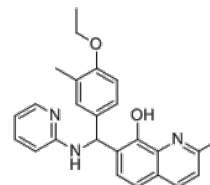


**Product Name** : HLM006474  
**Cat. No.** : PC-72531  
**CAS No.** : 353519-63-8  
**Molecular Formula** : C<sub>25</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 399.494  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

HLM006474 is a selective small-molecule **E2F1** (E2F transcription factor 1) inhibitor, inhibits E2F4 DNA-binding with IC<sub>50</sub> of 29.8 uM in A549 cells.

HLM006474 is not specific to E2F4 and appears to inhibit binding by all E2F complexes.

HLM006474 inhibits E2F4 activity through inhibition of its DNA-binding activity and down regulation of its expression.

HLM006474 induces apoptosis in multiple cell lines, HLM006474 treatment leads to apoptosis in a manner distinct from traditional chemotherapeutic drug.

HLM006474 inhibits melanocyte proliferation, synergizes with paclitaxel in lung cancer cell lines.

### References

Ma Y, et al. **Cancer Res.** 2008 Aug 1;68(15):6292-9.

Sangwan M, et al. **Oncogene.** 2012 Nov 29;31(48):5019-28.

Kurtyka CA, et al. **PLoS One.** 2014 May 15;9(5):e96357.

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

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