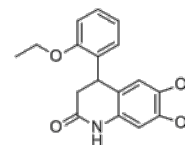


**Product Name** : FQI1  
**Cat. No.** : PC-73311  
**CAS No.** : 599151-35-6  
**Molecular Formula** : C<sub>18</sub>H<sub>17</sub>NO<sub>4</sub>  
**Molecular Weight** : 311.337  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Factor quinolinone inhibitor 1 (FQI1) is a small molecule inhibitor of transcription factor Late SV40 Factor (**LSF**), inhibits LSF DNA-binding activity both in vitro and in cells (IC<sub>50</sub>=2.1 uM).

FQI1 inhibits LSF transactivation in NIH 3T3 LSF-dependent reporter assay, and exhibits cell proliferation inhibition against NIH 3T3, HeLa and A549 cell with GI<sub>50</sub> of 3.8, 0.79 and 6.3 uM, respectively.

FQI1 induces apoptosis in HCC cells, but not hepatocytes.

FQI1 inhibits HCC tumor growth in mouse xenografts, with no general toxicity.

## References

Trevor J Grant, et al. *Proc Natl Acad Sci U S A*. 2012 Mar 20;109(12):4503-8.

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

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