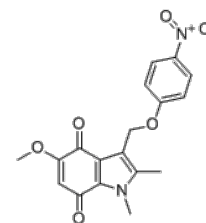


**Product Name** : ES936  
**Cat. No.** : PC-60680  
**CAS No.** : 192820-78-3  
**Molecular Formula** : C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** : 356.334  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

ES936 is a potent, specific mechanism-based human NAD(P)H: quinone oxidoreductase 1 (**NQO1**) inhibitor that demonstrates efficient inactivation of NQO1 at 100 nM in cellular systems.

ES936 does not inhibit other cellular reductases, nor does it alter cellular levels of acid-soluble thiols.

ES936 abrogates the toxicity of streptonigrin, with greater effects seen in cell lines expressing higher levels of NQO1.

## References

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Winski SL, et al. *Biochemistry*. 2001 Dec 18;40(50):15135-42.

Anwar A, et al. *J Biol Chem*. 2003 Mar 21;278(12):10368-73.

Gustafson DL, et al. *J Pharmacol Exp Ther*. 2003 Jun;305(3):1079-86.

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

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