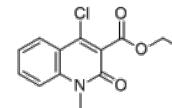


**Product Name** : AI-1  
**Cat. No.** : PC-62429  
**CAS No.** : 75483-04-4  
**Molecular Formula** : C<sub>13</sub>H<sub>12</sub>ClNO<sub>3</sub>  
**Molecular Weight** : 265.69  
**Target** : Keap1-Nrf2  
**Solubility** : 10 mM in DMSO



## Biological Activity

Nrf2 activator AI-1 is a small-molecule inducer of the antioxidant response element (ARE) that activates and stabilizes **Nrf2** by covalently modifying Keap1, activates an ARE-dependent luciferase reporter with an EC<sub>50</sub> of 2.7 μM. Nrf2 activator AI-1 is a useful pharmacological probe for investigating the molecular details of the cellular antioxidant response.

## References

- Hur W, et al. *Chem Biol.* 2010 May 28;17(5):537-47.  
Large M, et al. *Strahlenther Onkol.* 2015 Sep;191(9):742-9.

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

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