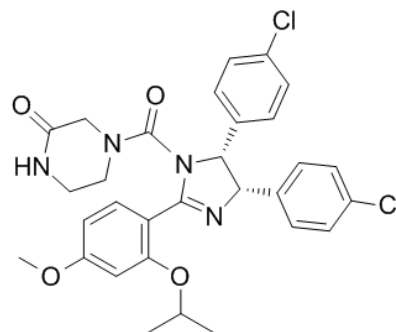


**Product Name** : Nutlin-3a  
**Cat. No.** : PC-42100  
**CAS No.** : 675576-98-4  
**Molecular Formula** : C<sub>30</sub>H<sub>30</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 581.4896  
**Target** : MDM2-p53  
**Solubility** : 10 mM in DMSO



## Biological Activity

The active enantiomer of Nutlin-3, inhibits the p53/MDM2 interaction with IC<sub>50</sub> of 90 nM in a cell-free assay; blocks the binding of Mdm2 to key signaling molecules such as p53 and p73 $\alpha$  and can result in activation of cell death signaling pathways.

## References

- Vassilev LT, et al. *Science*, 2004, 303(5659), 844-848.  
Schneider LS, et al. *Mol Oncol*. 2016 Aug;10(7):1054-62.  
Tonsing-Carter E, et al. *Mol Cancer Ther*. 2015 Dec;14(12):2850-63.

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

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