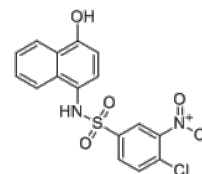


**Product Name** : SW155246  
**Cat. No.** : PC-38486  
**CAS No.** : 420092-79-1  
**Molecular Formula** : C<sub>16</sub>H<sub>11</sub>ClN<sub>2</sub>O<sub>5</sub>S  
**Molecular Weight** : 378.8  
**Target** : DNA Methyltransferase (DNMT)  
**Solubility** : 10 mM in DMSO



### Biological Activity

SW155246 is a potent, selective antagonist/inhibitor of DNA methyltransferase **DNMT1** with IC<sub>50</sub> of 1.2 μM against hDNMT1, 30-fold preference versus human or murine DNMT3A or -3B (IC<sub>50</sub>=38 μM).

SW155246 showed a variable degree of cell-growth inhibition against HeLa and A549 with IC<sub>50</sub> of 8-20 μM.

SW155246 inhibited global methylation in HeLa cells, reactivated expression of the tumor suppressor gene RASSF1A in A549 cells.

### References

Kilgore JA, et al. *J Biol Chem*. 2013 Jul 5;288(27):19673-84.

Medina-Franco JL, et al. *Int J Mol Sci*. 2014 Feb 21;15(2):3253-61.

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

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