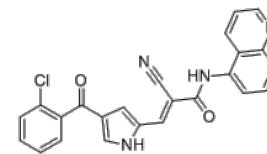


**Product Name** : MC2494  
**Cat. No.** : PC-63189  
**CAS No.** :  
**Molecular Formula** : C<sub>24</sub>H<sub>15</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 426.86  
**Target** : Sirtuin  
**Solubility** : 10 mM in DMSO



## Biological Activity

MC2494 is a novel potent, **pan-Sirtuin** (SirT) inhibitor, increases RIP1 acetylation in the death domain and induces bona fide tumour-restricted acetylated RIP1/caspase-8-mediated apoptosis.

MC2494 is inactive against both HATs (PCAF) and HDACs, suggesting high pan-SIRT specificity.

MC2494 displays inhibitory actions against SIRT1, SIRT2, and SIRT3/4/5/6, revealing unique features when compared with SIRT1- and 2-selective inhibitors.

MC2494 induces caspase-8-dependent cancer-selective cell death.

MC2494 displays broad anticancer action in vitro, ex vivo, and in vivo.

MC2494 exerts cancer-preventive effects in vivo.

## References

Vincenzo Carafa, et al. *Clin Cancer Res.* 2018 Jun 15;24(12):2886-2900.

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

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