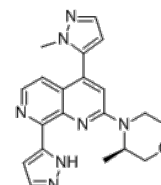


**Product Name** : BAY 1895344  
**Cat. No.** : PC-60277  
**CAS No.** : 1876467-74-1  
**Molecular Formula** : C<sub>20</sub>H<sub>21</sub>N<sub>7</sub>O  
**Molecular Weight** : 375.436  
**Target** : ATM/ATR  
**Solubility** : 10 mM in DMSO



1. Lücking U, et al. *J Med Chem.* 2020 Jul 9;63(13):7293-7325.
2. Wengner AM, et al. *Mol Cancer Ther.* 2020

### Biological Activity

BAY 1895344 (BAY-1895344, Elimusertib) is a novel potent, highly selective **ATR kinase** inhibitor with IC<sub>50</sub> of 7.0 nM.

BAY 1895344 (Elimusertib) demonstrated high selectivity in an in-house kinase selectivity panel (with exception mTOR IC<sub>50</sub>=35 nM) and KINOMEScan profiling.

BAY 1895344 inhibited hydroxyurea-induced ATR-dependent H2AX phosphorylation with IC<sub>50</sub> of 36 nM in HT-29 cells.

BAY 1895344 inhibits proliferation in a broad spectrum of human cancer cell lines ( Lymphoma cells IC<sub>50</sub>=9-32 nM).

BAY 1895344 shows strong antitumor efficacy as monotherapy in CDX models, as well as synergistic activity in combination with chemotherapy or EBRT.

### References

- Jan;19(1):26-38.  
3. Yap TA, et al. *Cancer Discov.* 2021 Jan;11(1):80-91.

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

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