**BAY-1895344**

**CAT. NO.:** HY-101566  
**CAS NO.:** 1876467-74-1  
**MOLECULAR FORMULA:** C₂₀H₂₁N₇O  
**MOLECULAR WEIGHT:** 375.43  
**TARGET:** ATM/ATR  
**PATHWAY:** Cell Cycle/DNA Damage; PI3K/Akt/mTOR  
**STORAGE:** Please store the product under the recommended conditions in the COA.

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**BIOLOGICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>BAY-1895344 is a potent, orally available and selective ATR inhibitor, with IC₅₀ of 7 nM. Anti-tumor activity[1].</th>
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| IC₅₀ & Target | ATR  
7 nM (IC₅₀) |
| In Vitro | BAY-1895344 potently inhibits the proliferation of a broad spectrum of human tumor cell lines with a median IC₅₀ of 78 nM[1].  
BAY-1895344 potently suppresses hydroxyurea-induced H2AX phosphorylation (IC₅₀, 36 nM)[1]. |
| In Vivo | BAY-1895344 shows potent anti-tumor efficacy in monotherapy in a variety of xenograft models of ovarian and colorectal cancer, and causes complete tumor remission in mantle cell lymphoma models[2]. |

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**REFERENCES**


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**Caution:** Product has not been fully validated for medical applications. For research use only.

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