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## Product Data Sheet

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Product Name: BAY-1895344 hydrochloride

Cat. No.: GC34374

### Chemical Properties

Cas. No.

SMILES CN1N=CC=C1C2=C(C=CN=C3C4=CC=NN4)C3=NC(N5[C@H](C)COCC5)=C2.[H]Cl

Formula  $C_{20}H_{22}ClN_7O$  M.Wt 411.89

Solubility DMSO : 54 mg/mL (131.10 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

BAY-1895344 is an inhibitor of ataxia-telangiectasia and Rad3-related protein (ATR) kinase that inhibits proliferation in a panel of human tumor cell lines (mean IC<sub>50</sub> = 78 nM).<sup>1</sup> It halts tumor growth in ovarian and colorectal mouse xenograft models and induces complete tumor remission in mantle cell lymphoma mouse xenograft models. BAY-1895344 also exhibits synergistic anti-tumor activity with radium-223 in a mouse xenograft model of castration-resistant prostate cancer bone metastases.

1. Wengner, A.M., Siemeister, G., Luecking, U., et al. Abstract 836: ATR inhibitor BAY 1895344 shows potent anti-tumor efficacy in monotherapy and strong combination potential with the targeted alpha therapy Radium-223 dichloride in preclinical tumor models. *Cancer Res.* 77(13 Suppl):836-836(2017)

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

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