

Product Data Sheet

Product Name: BAY-1895344

Cat. No.: GC33420

Chemical Properties

Cas. No. 1876467-74-1

SMILES CN1N=CC=C1C2=CC(N3[C@H](C)COCC3)=NC4=C(C5=NNC=C5)N=CC=C24

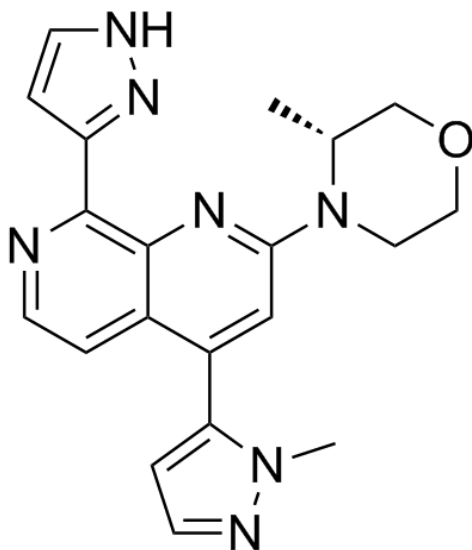
Formula $C_{20}H_{21}N_7O$ M.Wt 375.43

Solubility DMSO: 5.4 mg/mL (14.38 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 a potent, orally available and selective ATR inhibitor, with IC₅₀ of 7 nM. Anti-tumor activity[1].

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].

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

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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].

[1]. Ulrich T. Luecking, et al. Abstract 983: Identification of potent, highly selective and orally available ATR inhibitor BAY 1895344 with favorable PK properties and promising efficacy in monotherapy and combination in preclinical tumor models. Cancer Research. July 2017 Volume 77, Issue 13 Supplement. [2]. Antje Margret Wengner, 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 Research. July 2017 Volume 77, Issue 13 Supplement

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