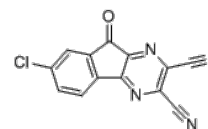


Product Name : HBX41108
Cat. No. : PC-20202
CAS No. : 924296-39-9
Molecular Formula : C₁₃H₃CIN₄O
Molecular Weight : 266.64
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

HBX41108 is a specific small-molecule inhibitor of USP7/HAUSP ubiquitin protease with IC₅₀ of 424 nM for inhibition of Ub-AMC hydrolysis by USP7.

HBX41108 shows little to no activity against a panel of serine, aspartic, and metalloproteases, calpain-1 (IC₅₀ > 10 μmol/L), and cathepsins B, L, and S (IC₅₀ > 1 μmol/L).

HBX 41108 inhibits USP7-mediated p53 deubiquitination (IC₅₀=0.8 μM), increases p53 levels in a nongenotoxic manner.

HBX41108 (0.1-3 μM) inhibits HCT116 cancer cell growth and induces apoptotic cell death, induces apoptosis in a p53-dependent manner.

References

Colland F, et al. Mol Cancer Ther. 2009 Aug;8(8):2286-95.

Lee KW, et al. J Biol Chem. 2013 Nov 15;288(46):32886-96.

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

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