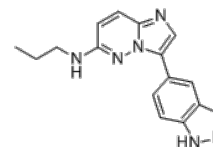


Product Name : CHR6494
Cat. No. : PC-49321
CAS No. : 1333377-65-3
Molecular Formula : C₁₆H₁₆N₆
Molecular Weight : 292.346
Target : Haspin Kinase
Solubility : 10 mM in DMSO



Biological Activity

CHR-6494 (CHR6494) is a potent, selective inhibitor of the histone kinase **Haspin** with IC₅₀ of 2 nM, shows anti-proliferative effects in human cancer cells.

CHR-6494 displays selectivity over 27 other protein kinases including Aurora B kinase.

CHR-6494 inhibits cancer cell growth dose dependently with IC₅₀ 500 nM for HCT-116, 473 nM for HeLa and 752 nM for MDA-MB-231 cells.

CHR-6494 reduces H3T3ph levels in a dose-dependent manner and causes a mitotic catastrophe characterized by metaphase misalignment, spindle abnormalities and centrosome amplification.

CHR-6494 causes arrest in G2/M and subsequently apoptosis in cancer cells.

CHR-6494 demonstrates anti-angiogenetic features in ex vivo assays, shows antitumor potential in xenografted nude mice without any observed toxicity in vivo.

References

Huertas D, et al. *Oncogene*. 2012 Mar 15;31(11):1408-18.

Han L, et al. *J Cancer*. 2017 Aug 25;8(15):2933-2943.

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

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