Haspin Kinase

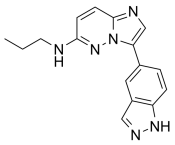
Haspin is a protein kinase that regulates chromosome and spindle function during mitosis and meiosis. Haspin expression is detected in fetal liver, skin, kidney, small intestine and in all proliferating cells. Haspin phosphorylates H3 thr3 (H3T3ph) in human cell lines and depletion of Haspin by RNA interference reveals that Haspin is required for H3 thr3 phosphorylation in mitotic cells. Phosphorylation of H3T3ph by Haspin is necessary for chromosomal passenger complex (CPC) accumulation at centromeres. H3T3ph then positions the CPC at centromeres to regulate selected targets of Aurora B during mitosis.

Haspin Kinase Inhibitors

CHR-6494

Cat. No.: HY-15217

CHR-6494 is a potent inhibitor of **haspin**, with an IC_{50} of 2 nM. CHR-6494 inhibits histone H3T3 phosphorylation. CHR-6494 can be used in the research of cancer.

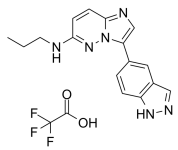


Purity: 98.70%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

CHR-6494 TFA

Cat. No.: HY-110350

CHR-6494 TFA is a potent inhibitor of **haspin**, with an IC_{50} of 2 nM. CHR-6494 TFA inhibits histone H3T3 phosphorylation. CHR-6494 TFA induces the **apoptosis** of cancer cells, including melanoma and breast cancer. CHR-6494 TFA can be used in the research of cancer.

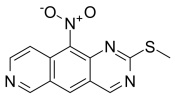


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Haspin-IN-1

Cat. No.: HY-146586

Haspin-IN-1 (compound 2a) is a **haspin** inhibitor with an IC_{50} of 119 nM. Haspin-IN-1 also inbibits **CLK1** and **DYRK1A** with IC_{50}s of 221 nM and 916.3 nM, respectively.

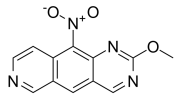


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Haspin-IN-2

Cat. No.: HY-146587

Haspin-IN-2 (compound 4) is a potent and selective **haspin** inhibitor with an IC_{50} of 50 nM. Haspin-IN-1 also inbibits **CLK1** and **DYRK1A** with IC_{50}s of 445 nM and 917 nM, respectively.

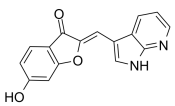


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Haspin-IN-3

Cat. No.: HY-146636

Haspin-IN-3 (compound 8l) is a potent **haspin** inhibitor with IC_{50} of 14 nM. Haspin-IN-3 has anticancer effects.

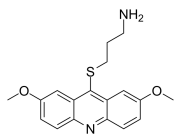


Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

LDN-192960

Cat. No.: HY-13455

LDN-192960 is an inhibitor of **Haspin** and **Dual-specificity Tyrosine-regulated Kinase 2 (DYRK2)** with IC_{50}s of 10 nM and 48 nM, respectively.

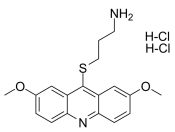


Purity: 99.56%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg

LDN-192960 hydrochloride

Cat. No.: HY-13455A

LDN-192960 hydrochloride is an inhibitor of **Haspin** and **Dual-specificity Tyrosine-regulated Kinase 2 (DYRK2)** with IC_{50}s of 10 nM and 48 nM, respectively.

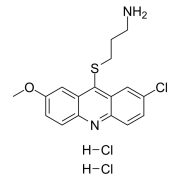


Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 5 mg, 10 mg

LDN-209929 dihydrochloride

Cat. No.: HY-110320

LDN-209929 dihydrochloride is a potent and selective **haspin kinase** inhibitor (IC_{50}=55 nM) with180-fold selectivity verses DYRK2 (IC_{50}=9.9 μM). LDN-209929 is a optimized analogue of LDN-192960 (HY-13455).



Purity: ≥98.0%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg