

**Product Name:** CHR 6494 trifluoroacetate

**Catalog No.:** 5326

**Batch No.:** 1

CAS Number: 1458630-17-5

IUPAC Name: 3-(1*H*-Indazol-5-yl)-*N*-propylimidazo[1,2-*b*]pyridazin-6-amine trifluoroacetate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>16</sub>N<sub>6</sub>.CF<sub>3</sub>CO<sub>2</sub>H.½H<sub>2</sub>O

**Batch Molecular Weight:** 415.37

**Physical Appearance:** Yellow solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at +4°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.8% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	52.05	4.37	20.23
Found	52.15	4.14	20.05

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

Potent and selective haspin kinase inhibitor (IC<sub>50</sub> = 2 nM). Selective over 27 other protein kinases including Aurora B kinase. Induces cell cycle arrest at G<sub>2</sub>/M, inhibits cell proliferation and promotes apoptosis in multiple cancer cell lines. Inhibits angiogenesis ex vivo and attenuates tumor growth of HCT-116 xenografts in rats.

**Physical and Chemical Properties:**

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Batch Molecular Weight: 415.37

Physical Appearance: Yellow solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

Huertas *et al* (2012) Antitumor activity of a small-molecule inhibitor of the histone kinase Haspin. *Oncogene* **31** 1408. PMID: 21804608.

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