

**PRODUCT:****ALTERNATE NAME:****THZ1**

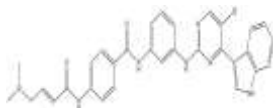
(E)-N-(3-((5-chloro-4-(1H-indol-3-yl)pyrimidin-2-yl)amino)phenyl)-4-(4-(dimethylamino)but-2-enamido)benzamide

**CATALOG #:**

9544-5, 25

**AMOUNT:**

5 mg, 25 mg

**STRUCTURE:****MOLECULAR FORMULA:**C<sub>31</sub>H<sub>28</sub>ClN<sub>7</sub>O<sub>2</sub>**MOLECULAR WEIGHT:**

566.05

**CAS NUMBER:**

1604810-83-4

**APPEARANCE:**

Off-white solid

**SOLUBILITY:**

DMSO (&gt;25 mg/ml)

**PURITY:**

≥98% by HPLC

**STORAGE:**

Store at -20°C. Protect from air and light

**DESCRIPTION:**

THZ1 is a potent, cell-permeable, and selective covalent CDK7 inhibitor (IC<sub>50</sub> = 3.2 nM) that preferentially diminishes transcription in cancer cells. It displays unprecedented ability to target a remote cysteine residue located outside of the canonical kinase domain, providing an unanticipated means of achieving selectivity for CDK7.

**REFERENCES:**

Kwiatkowski, N., *et al.* (2014). *Nature* **511**, 616-620.

**HANDLING:**

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Alsterpaullone (**Cat. No. 1897-1,5**)  
 AT-7519 hydrochloride (**Cat. No. 2816-5, 25**)  
 Butyrolactone I (**Cat. No. 1690-200**)  
 Doramapimod (**Cat. No. 1954-5, 25**)  
 Flavopiridol (**Cat. No. 2090-1, 5**)  
 10Z-Hymenialdisine (**Cat. No. 2212-250, 1000**)  
 Kenpaullone (**Cat. No. 1904-1**)  
 PD1834352 (CI-1040) (**Cat. No. 1585-1,5,25**)  
 EZSolution™ PD184352 (**Cat. No. 1871-1**)  
 PD325901 (**Cat. No. 1643-2, 5, 25**)  
 PD98059 (**Cat. No. 1666-5**)  
 PD-0332991 (**Cat. No. 2843-5,25**)  
 PD-0332991 Isethionate (**Cat. No. 9480-5,25**)  
 EZSolution™ PD98059 (**Cat. No. 1783-5**)  
 (R)-Perharidine-1 (**Cat. No. 2615-1,5**)  
 RO-3306 (**Cat. No. 2039-1,5**)  
 Roscovitine (**Cat. No. 1950-1,5**)  
 SB 203580 (**Cat. No. 1712-1, 5**)  
 SNS-032 (**Cat. No. 9490-5,25**)  
 EZSolution™ SB203580 (**1786-1**)  
 Sorafenib (**Cat. No. 1594-25, 100**)  
 TG003 (**Cat. No. 1905-5, 25**)  
 7, 3', 4'-Trihydroxyisoflavone (**1886-25, 100**)  
 U0126 (**Cat. No. 1668-5**)  
 VX-702 (**Cat. No. 1598-1,5**)

**USAGE:**

**FOR RESEARCH CH USE ONLY! Not to be used in humans**