

PRODUCT:**ALTERNATE NAME:****THZ1 (Free base)**

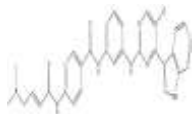
(E)-N-(3-((5-chloro-4-(1H-indol-3-yl)pyrimidin-2-yl)amino)phenyl)-4-(4-(dimethylamino)but-2-enamido)benzamide

CATALOG #:

9664-5, 25

AMOUNT:

5 mg, 25 mg

STRUCTURE:**MOLECULAR FORMULA:**C₃₁H₂₈ClN₇O₂**MOLECULAR WEIGHT:**

566.05

CAS NUMBER:

1604810-83-4

APPEARANCE:

Off-white solid

SOLUBILITY:

DMSO (>30 mg/ml)

PURITY:

≥95% by HPLC

STORAGE:

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

DESCRIPTION:

THZ1 is a potent, cell-permeable, and selective covalent CDK7 inhibitor (IC₅₀ = 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