

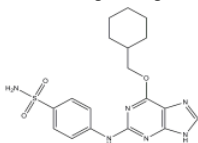
**PRODUCT: NU6102**

**ALTERNATE NAME:** O<sup>6</sup>-Cyclohexylmethyl-2-(4-sulfamoylanilino)purine; 4-[[6-(cyclohexylmethoxy)-9H-purin-2-yl]amino]-benzenesulfonamide

**CATALOG #:** 2313-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>18</sub>H<sub>22</sub>N<sub>6</sub>O<sub>3</sub>S

**MOLECULAR WEIGHT:** 402.47

**CAS NUMBER:** 444722-95-6

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by NMR

**STORAGE:** At -20°C. Protect from air and light

**DESCRIPTION:** A potent inhibitor of CDK1 and CDK2 with K<sub>i</sub> values of 9 and 6 nM and IC<sub>50</sub> values of 9.5 and 5.4 nM, respectively. Selective for CDK1 and CDK2 compared to CDK4/D1 (IC<sub>50</sub> = 1.6 μM), DYRK1A (IC<sub>50</sub> = 0.9 μM), PDK1 (IC<sub>50</sub> = 0.8 μM) and ROCK-II (IC<sub>50</sub> = 0.6 μM). Inhibits cell growth.

**REFERENCES:** Hardcastle, I.R., *et al.* (2004). *J. Med. Chem.* **47**, 3710-3722.

**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)  
 Butyrolactone I (Cat. No. 1690-200)  
 Doramapimod (Cat. No. 1954-5, 25)  
 Flavopiridol (Cat. No. 2090-1, 5)  
 10Z-Hymenialdisine (Cat. No. 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)  
 EZSolution™ PD98059 (Cat. No. 1783-5)  
 RO-3306 (Cat. No. 2039-1,5)  
 Roscovitine (Cat. No. 1950-1,5)  
 SB 203580 (Cat. No. 1712-1, 5)  
 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**