

**PRODUCT: DP-4978**

**ALTERNATE NAME:** 1-(3,3-dimethylbutyl)-3-(2-fluoro-4-methyl-5-(7-methyl-2-(methylamino)pyrido[2,3-d]pyrimidin-6-yl)phenyl)urea; LY3009120

**CATALOG #:** B1288-5,25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>23</sub>H<sub>29</sub>FN<sub>6</sub>O

**MOLECULAR WEIGHT:** 424.52

**CAS NUMBER:** 1454682-72-4

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (>30 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** DP-4978 is a potent and selective pan-RAF inhibitor with potential anticancer activity. DP-4978 displays activities against B-Raf or Ras mutant tumor cells. It binds to A-Raf, B-Raf and C-Raf isoforms with similar affinity in cells with activating mutations of B-Raf or K-Ras.

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

**RELATED PRODUCTS:**

B-Raf inhibitor I (**2599**)  
CEP-32496 (**2599**)  
DP-4978 (**Cat. No. B1288-5,25**)  
Gossypin (**2374**)  
GSK-2118436 mesylate (**2800**)  
GW-5074 (**2412**)  
PLX-4032 (**2235**)  
PLX-4720 (**2813**)  
PLX-7904 (**B1249**)  
RAF265 (**2856**)  
TAK-632 (**2473**)  
ZM-336372 (**1789**)

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