

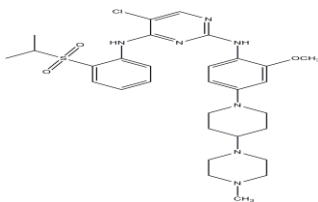
## NVP-TAE684

**ALTERNATE NAME:** 5-Chloro-N4-(2-(isopropylsulfonyl)phenyl)-N2-(2-methoxy-4-(4-methylpiperazin-1-yl)-piperidin-1-yl)phenyl)pyrimidine-2,4-diamine

**CATALOG #:** 1683-5

**AMOUNT:** 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>30</sub>H<sub>40</sub>ClN<sub>7</sub>O<sub>3</sub>S

**MOLECULAR WEIGHT:** 614.20

**CAS NUMBER:** 761439-42-3

**APPEARANCE:** Light yellow solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** A potent and selective ALK (anaplastic lymphoma kinase) inhibitor that blocked the growth of ALCL (anaplastic large cell lymphoma)-derived and ALK-dependent cell lines with IC<sub>50</sub> = 2-10 nM. NVP-TAE684 treatment resulted in a rapid and sustained inhibition of phosphorylation of NPM-ALK (Nucleophosmin-anaplastic lymphoma kinase) and its downstream effectors and subsequent induction of apoptosis and cell cycle arrest.

**REFERENCES:**  
1. McDermott, U., *et al.* (2008). *Cancer Res.* **68**, 3389.  
2. Galkin, A.V., *et al.* (2007). *Proc. Natl. Acad. Sci.* **104**, 270.

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

### RELATED PRODUCTS:

- A 83-01 (Cat. No. 1725-1)
- ABT-869 (Cat. No. 1615-1,5)
- Axitinib (Cat. No. 1581-5, 25)
- BIBW2992 (Cat. No. 1616-1,5)
- BMS-599626 (Cat. No. 1614-1,5)
- Bosutinib (Cat. No. 1584-5, 25)
- Canertinib (Cat. No. 1617-5)
- Cediranib (Cat. No. 1613-1,5)
- CP-690550 (Cat. No. 1622-5,25)
- Dasatinib (Cat. No. 1586-25, 100)
- Erlotinib, Hydrochloride Salt (Cat. No. 1588-100,1000)
- Gefitinib (Cat. No. 1589-5,25)
- Genistein (Cat. No. 1533-10, 100)
- GW2580 (Cat. No. 1740-5, 25)
- Imatinib Mesylate (Cat. No. 1625-100, 1000)
- Lapatinib Ditosylate (Cat. No. 1624-25,100)
- Nilotinib (Cat. No. 1750-25, 100)
- PD 153035, Hydrochloride (Cat. No. 1656-2)
- PD173074 (Cat. No. 1675-1)
- PP2 (Cat. No. 1767-1,5)
- Saracatinib (Cat. No. 1582-5, 25)
- SB-431542 (Cat. No. 1674-1)
- Sorafenib (Cat. No. 1594-5, 25)
- SU-5402 (Cat. No. 1645-05)
- Sunitinib Malate (Cat. No. 1611-100, 1000)
- Tyrphostin AG 1295 (Cat. No. 1571-5)
- Tyrphostin AG 490 (Cat. No. 1570-5)
- Vandetanib (Cat. No. 1751-25, 100)

**FOR RESEARCH USE ONLY! Not to be used on humans.**