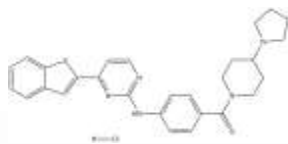


**PRODUCT: IKK16****ALTERNATE NAME:** N-(4-Pyrrolidin-1-yl-piperidin-1-yl)-[4-(4-benzo[b]thiophen-2-yl-pyrimidin-2-ylamino)phenyl]carboxamide hydrochloride**CATALOG #:** B1087-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>28</sub>H<sub>29</sub>N<sub>5</sub>OS.HCl**MOLECULAR WEIGHT:** 520.09**CAS NUMBER:** 1186195-62-9**APPEARANCE:** Beige solid**SOLUBILITY:** DMSO (>40 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** IKK-16 is a potent and selective inhibitor of IκB kinase (IKK) with IC<sub>50</sub> values from 40, 70 and 200 nM for IKKβ, IKK complex and IKKα respectively. It is effective in cells and in animals and has been used delineate the role of NF-κB signaling in diverse contexts. IKK-16 has also been reported to inhibit protein kinase D isoforms and the ATP-binding cassette (ABC) transporter ABCB1.**REFERENCES:** Waelchli . R. *et.al.* (2006). *Bioorg Med Chem Lett.* **16**, 108-12.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Andrographolide (Cat. No. 2389-50, 250)  
BAY 11-7082 (Cat. No. 1867-10, 50)  
Celastrol (Cat. No. 1940-5, 25)  
Dimethyl fumarate (Cat. No. 9660-100, 500)  
Honokiol (Cat. No. 1762-10, 50)  
ML130 (Cat. No. 1974-5, 25)  
NSC 146109 hydrochloride (Cat. No. 1907-5)  
Nutlin-3 (Cat. No. 1842-1, 5)  
Parthenolide (Cat. No. 1868-10,50)  
PDTC (Cat. No. 1676-100)  
PS-1145 (Cat. No. 9671-5, 25)  
Rocaglamide (Cat. No. 1863-100)  
SC-514 (Cat. No. 2442-5, 25)  
Sauchinone (Cat. No. 2312-1, 5)  
TPCA-1 (Cat. No. 2431-5, 25)  
Triptolide (Cat. No. 1761-1,5)

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