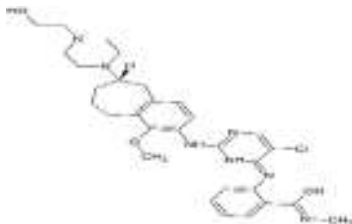


# CEP-37440

**ALTERNATE NAME:** 2-[[5-chloro-2-[[[(6S)-6,7,8,9-tetrahydro-6-[4-(2-hydroxyethyl)-1-piperazinyl]-1-methoxy-5H-benzocyclohepten-2-yl]amino]-4-pyrimidinyl]amino]-N-methyl-benzamide  
CEP37440

**CATALOG #:** B2504-1 1 mg  
B2504-5 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>30</sub>H<sub>38</sub>ClN<sub>7</sub>O<sub>3</sub>

**MOLECULAR WEIGHT:** 580.13

**CAS NUMBER:** 1391712-60-9

**APPEARANCE:** Crystalline solid

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** CEP-37440 is a potent and selective dual FAK/ALK inhibitor with IC<sub>50</sub> s of 2.3 nM (FAK) and 120 nM (ALK cellular IC<sub>50</sub> in 75% human plasma). The inhibition leads to disruption of ALK- and FAK-mediated signal transduction pathways and eventually inhibits tumor cell growth in ALK- and FAK-overexpressing tumor cells. It blocks the proliferation of inflammatory and triple-negative breast cancer cell lines but not normal breast epithelial cells.

**STORAGE TEMPERATURE:** -20°C. Protect from light

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

**RELATED PRODUCTS:**

Crizotinib (1934)  
PF-562271 besylate (B1253)  
Entrectinib (B1324)  
GSK2256098 (B1224)  
A 83-01 (1725)  
PF-04554878 (2888)  
PF-06463922 (B1169)

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