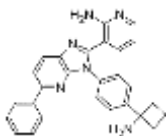


PRODUCT: Miransertib**ALTERNATE NAMES:** 3-(3-(4-(1-aminocyclobutyl)phenyl)-5-phenyl-3H-imidazo[4,5-b]pyridin-2-yl)pyridin-2-amine; ARQ-092**CATALOG NUMBER:** B1931-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₇H₂₄N₆**MOLECULAR WEIGHT:** 432.53**CAS NUMBER:** 1313881-70-7**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO (~ 10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Miransertib is an allosteric, pan-Akt inhibitor (IC₅₀s = 5.0, 4.5, and 16 nM for Akt1, Akt2, and Akt3, respectively). It is selective for Akt isoforms over a panel of 303 other kinases. It binds to and inhibits the activity of AKT in a non-ATP competitive manner, which may result in the inhibition of the PI3K/AKT signaling pathway.**REFERENCES:** Lapiere, J., *et al.* (2016). *J. Med. Chem.* **59**, 6455-6469.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Akt Inhibitor (**Cat. No. 1701-1**)Akt Inhibitor, Isozyme-Selective (**Cat. No. 1708-1**)Akt Inhibitor (10-NCP) (**Cat. No. 2338-1, 5**)Afuresertib hydrochloride (**Cat. No. B1848-5,25**)Cordycepin (**Cat. No. 2078-10, 50**)DiscoveryPak™ PI 3 Kinase Inhibitor Set (**Cat. No. K856-5**)GSK-690693 (**Cat. No. 227205, 25**)Miransertib (**Cat. No. B1931-5,25**)MK-2206 (**Cat. No. 1888-500, 1000**)Perifosine(KRX-0401) (**Cat. No. 1592-5, 25**)PHT427 (**Cat. No. 2465-10, 50**)SH-5 (**Cat. No. 1818-500**)SH-6 (**Cat. No. 1819-500**)SC66 (**Cat. No. 1870-10, 50**)Triciribine (**Cat. No. 1707-1**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**