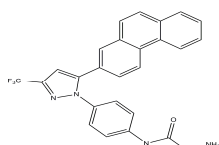


PRODUCT: OSU-03012**ALTERNATE NAME:** 2-Amino-N-(4-(5-(phenanthren-2-yl)-3-(trifluoromethyl)-1H-pyrazol-1-yl)phenyl)acetamide; OSU03012; AR-12**CATALOG #:** 2295-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₆H₁₉F₃N₄O**MOLECULAR WEIGHT:** 460.45**CAS NUMBER:** 742112-33-0**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** At -20°C. Protect from air and light**DESCRIPTION:** A novel celecoxib derivative, that acts as a potent inhibitor of 3-phosphoinositide-dependent kinase-1 (PDK1) activity (IC₅₀ = 5 μM for recombinant PDK1). It displays anti-cancer activity in a COX-2-independent manner via inhibition of the phosphatidylinositol-3-kinase(PI3K)/Akt pathway. OSU03012 is a potent inhibitor of tumor cell growth with an average inhibitory concentration of 1.1 μM across a panel of 60 cancer cell lines.**REFERENCE:** Johnson, A.J., *et al.* (2005). *Blood* **105**, 2504-2509; Zhu, J., *et al.* (2004). *Cancer Res.* **64**, 4309-4318**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

BAG 956 (Cat.No. 2456-5, 25)

PDK1 Antibody (**Cat. No. 3449-100**)PDK1 Blocking peptide (**Cat. No. 3449BP-50**)Active PDK1 (**Cat. No. 7706-5**)PHT-427 (**Cat. No. 2465-10, 50**)PS-48 (**Cat. No. 1869-5, 25, 100**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**