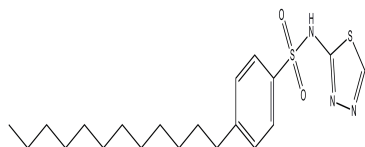


PRODUCT: PHT-427**ALTERNATE NAME:** 4-Dodecyl-N-(1,3,4-thiadiazol-2-yl)benzenesulfonamide**CATALOG #:** 2465-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₃₁N₃O₃S₂**MOLECULAR WEIGHT:** 409.61**CAS No.** 1191951-57-1**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>80 mg/ml)**PURITY:** >98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** A potent Akt and PDPK1 (3-Phosphoinositide Dependent Protein Kinase 1) inhibitor. PH 427 binds to the pleckstrin homology (PH) domain of Akt and PDPK1 signaling with significant *in vivo* antitumor activity and minimal toxicity.**REFERENCES:** Meuillet, E.J., *et al.* (2010). *Mol. Cancer Ther.* **9**, 706-717.**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**)Cordycepin (**Cat. No. 2078-10, 50**)DiscoveryPak™ PI 3 Kinase Inhibitor Set (**Cat. No. K856-5**)GSK-690693 (**Cat. No. 227205, 25**)MK-2206 (**Cat. No. 1888-500, 1000**)Perifosine(KRX-0401) (**Cat. No. 1592-5, 25**)SH-5 (**Cat. No. 1818-500**)SH-6 (**Cat. No. 1819-500**)SC66 (**Cat. No. 1870-10, 50**)Triciribine (**Cat. No. 1707-1**)**FOR RESEARCH USE ONLY! Not to be used in humans.**