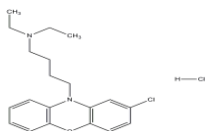


PRODUCT: Akt Inhibitor (10-NCP)**ALTERNATE NAME:** 10-(4'-(N-diethylamino)butyl)-2-chlorophenoxazine hydrochloride**CATALOG #:** 2338-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₀H₂₅ClN₂O·HCl**MOLECULAR WEIGHT:** 381.34**CAS NUMBER:** 925681-41-0**APPEARANCE:** White solid**SOLUBILITY:** DMSO (60 mg/ml) or H₂O (1 mg/ml)**PURITY:** ≥98% HPLC**STORAGE:** At -20° C. Protect from light and moisture**DESCRIPTION:** Cell-permeable. A reversible and specific inhibitor of Akt activity in vitro (complete inhibition at < 5 μM). Displays minimal effect on PI 3-K, PDK1, or SGK1. Blocks IGF-I stimulated nuclear translocation of Akt in Rh1 cells and suppressed growth of Rh1, Rh18, and Rh30 cells (IC₅₀ = 2–5 μM). Also shown to induce neuronal autophagy in an Akt- and mTOR-independent manner and enhances the clearance of misfolded protein.**REFERENCES:** Thiammaiah, K.N., *et al.* (2005). *J. Biol. Chem.* **280**, 31924–31935.**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)

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)

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