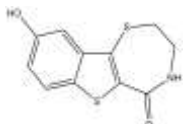
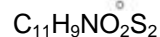


**PRODUCT: kb NB 142-70****ALTERNATE NAME:** 9-Hydroxy-3,4-dihydro-2*H*-[1]-benzothio[2,3-*f*][1,4]thiazepin-5-one**CATALOG #:** 9566-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:****MOLECULAR WEIGHT:** 251.32**CAS NUMBER:** 1233533-04-4**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** kb NB 142-70 is a selective protein kinase D (PKD) inhibitor with IC<sub>50</sub> values are 28.3, 58.7 and 53.2 nM for PKD1, 2 and 3 respectively. More potent analog of CID-755673 (Cat.No. 2660) with 7-fold greater inhibition. Inhibits prostate cancer cell migration and invasion and reduces wound healing in vitro; displays prominent cytotoxic and anti-proliferative effects.**REFERENCES:** Bravo-Altamirano, K., et al. (2011). *ACS Med. Chem. Lett.* **2**, 154-159.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

CID-755673 (Cat. No. 2660)

CID-2011756 (Cat. No. 2067)

Active PKD2 (Cat. No. 7711)

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