

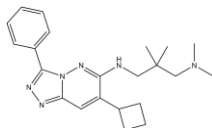
PRODUCT: Akt-I-1

ALTERNATE NAMES: Akt1, Akt-I1, AKT-I-1, N3-(7-Cyclobutyl-3-phenyl-1,2,4-triazolo[4,3-b]pyridazin-6-yl)-N1,N1,2,2-tetramethyl-1,3-propanediamine

CATALOG #: B1610-1, -5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₃₀N₆

MOLECULAR WEIGHT: 378.51

CAS NUMBER: 473382-39-7

APPEARANCE: Solid

SOLUBILITY: DMSO

PURITY: ≥98%

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Akt-I-1 is a reversible inhibitor of AKT1. It inhibits only Akt1 (IC₅₀ 4.6 μM) and does not inhibit AKT2, or AKT3. The compound exhibits a linear mixed-type inhibition against ATP and peptide substrate.

REFERENCES: Identification and characterization of pleckstrin-homology-domain-dependent and isoenzyme-specific Akt inhibitors: S.F. Barnett, et al.; Biochem. J. 385, 399 (2005)

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Akt Inhibitor (10-NCP) (2338)
- GDC-0068 (2667)
- GSK-2110183 (B1089)
- MK-2206 (1888)
- Triciribine (1707)

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