Product Datasheet

**Triciribine (10 mg)  Cat. No: PKI-TCN-010  Batch No: 6**

1,5-Dihydro-5-methyl-1-β-D-ribofuranosyl-1,4,5,6,8-pentaazaacenaphthylen-3-amine

**Description:**
Selective inhibitor of Akt (protein kinase B) signaling; Displays minimal inhibition of PKC, PKA, SGK and p38 pathways. Inhibits phosphorylation and activation of downstream targets of Akt including Bad, GSK-3β and AFX. In vitro, induces apoptosis and growth arrest preferentially in human cancer cells with elevated levels of Akt. In mice, potently and selectively inhibits growth of Akt-overexpressing tumours. Inhibits DNA synthesis and displays antiviral activity against HIV-1 and -2.

**Physical and Chemical Properties:**
**Molecular Formula:** C_{15}H_{16}N_{6}O_{4}.1/2H_{2}O
**Molecular Weight:** 329.32  
**CAS Number:** [35943-35-2]  
**Physical Appearance:** White solid

**Storage:** Store at room temperature (RT)
**Solubility:** 1eq. HCl to 100 mM

**Stability and Solubility:**
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 12 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and stored on the same day.

**References:**

**CAUTION:** For research use ONLY, not for human use!