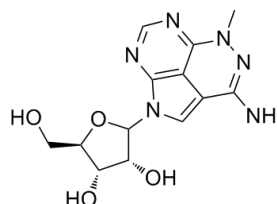


| | |
|--------------------------|--|
| Product Name | : Triciribine |
| Synonyms | : API 2; NSC 154020; Tricyclic Nucleoside |
| Cat No. | : M14234 |
| CAS Number | : 35943-35-2 |
| Molecular Formula | : C ₁₃ H ₁₆ N ₆ O ₄ |
| Formula Weight | : 320.30 |
| Chemical Name | : (2R,3R,4S,5R)-2-(3-amino-5-methyl-1,4,5,6,8-pentaazaacenaphthylen-1(5H)-yl)-5-(hydroxymethyl)tetrahydrofuran-3,4-diol. |
| Description | : Triciribine is a DNA synthesis inhibitor, also inhibits Akt and HIV-1 with IC ₅₀ of 130 nM and 20 nM, respectively; does not inhibit PI3K/PDK1; 5000-fold less active in cells lacking adenosine kinase. Phase 1/2. |
| Pathway | : PI3K/Akt/mTOR signaling |
| Target | : Akt |
| Receptor | : Akt; HIV-1 |
| Solubility | : DMSO:64 mg/mL (199.81 mM); Ethanol:<1 mg/mL (<1 mM); Water:<1 mg/mL (<1 mM) |
| SMILES | : <chem>O[C@H]1[C@H](N2C=C3C(N)=NN(C)C4=NC=NC2=C34)O[C@H](CO)[C@H]1O</chem> |
| Storage | : (-20°C) |
| Stability | : ≥ 2 years |
| Reference | : |



1.Gursel DB, et al, *Nero Oncol*, 2011, 13(6), 610-62