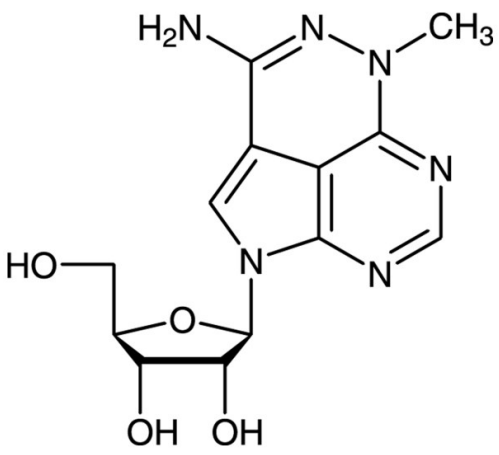
Triciribine

Akt inhibitor

Triciribine is a synthetic tricyclic nucleoside which acts as a specific inhibitor of the Akt signaling pathway. It selectively inhibits the phosphorylation and activation of Akt1, -2 and -3 but does not inhibit Akt kinase activity nor known upstream Akt activators such as PI 3-Kinase and PDK1. It inhibits cell growth and induces apoptosis preferentially in cells that express aberrant Akt1. In whole cells triciribine is phosphorylated by adenosine kinase which may be necessary for its activity.

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H2N
N
N
CH3
N
N
N
HO
O
OH
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	Pale yellow solid
CAS	35943-35-2
Couple Target	Akt
Couple Type	Inhibitor
Formula	$C_{13}H_{16}N_6O_4$
MW	320.3
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO.

Last modified: May 29, 2024

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