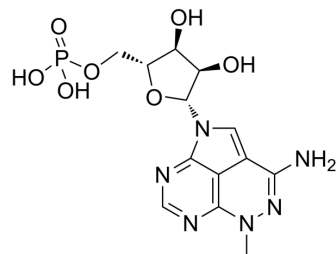


Triciribine phosphate

Cat. No.:	HY-10250
CAS No.:	61966-08-3
Molecular Formula:	C ₁₃ H ₁₇ N ₆ O ₇ P
Molecular Weight:	400.28
Target:	ATP Synthase
Pathway:	Membrane Transporter/Ion Channel
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description

Triciribine phosphate (TCN-P) inhibits amidophosphoribosyltransferase by an allosteric mechanism which affects the first committed step of de novo purine biosynthesis. Triciribine phosphate also inhibits IMP dehydrogenase which is the first committed step of guanosine nucleotide synthesis. Triciribine phosphate does not affect ligase activity^[1].

REFERENCES

[1]. E C Moore, Inhibition of two enzymes in de novo purine nucleotide synthesis by triciribine phosphate (TCN-P). *Biochem Pharmacol.* 1989, 38, 22.

Caution: Product has not been fully validated for medical applications. For research use only.

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