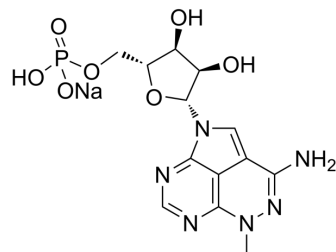


Triciribine phosphate sodium

Cat. No.:	HY-10250A
Molecular Formula:	C ₁₃ H ₁₆ N ₆ NaO ₇ P
Molecular Weight:	422.27
Target:	ATP Synthase
Pathway:	Membrane Transporter/Ion Channel
Storage:	-20°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (148.01 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3682 mL	11.8408 mL	23.6815 mL
	5 mM	0.4736 mL	2.3682 mL	4.7363 mL
	10 mM	0.2368 mL	1.1841 mL	2.3682 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Triciribine phosphate sodium inhibits amidophosphoribosyltransferase by an allosteric mechanism which affects the first committed step of de novo purine biosynthesis. Triciribine phosphate sodium 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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