

Product Data Sheet

Product Name: Triciribine phosphate sodium

Cat. No.: GC72771

Chemical Properties

Cas. No.

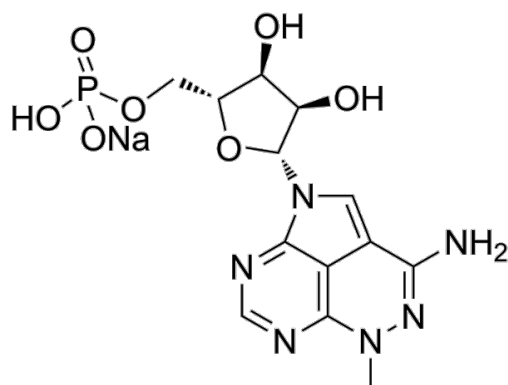
Formula $C_{13}H_{16}N_6NaO_7P$ M.Wt 422.27

Solubility DMSO : 62.5 mg/mL (148.01 mM; ultrasonic and warming and heat to 60°C) Storage -20°C, stored under nitrogen, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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.

References:

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

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

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