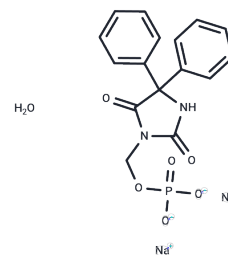


Fosphenytoin disodium

Chemical Properties

CAS No. :	92134-98-0
Formula:	C ₁₆ H ₁₃ N ₂ Na ₂ O ₆ P
Molecular Weight:	406.24
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Fosphenytoin disodium (ACC-9653) is a prodrug of phenytoin that is rapidly converted to phenytoin, a voltage-gated sodium channel blocker
Targets(IC50)	Sodium Channel
In vivo	Fosphenytoin has anticonvulsant activity in a mouse model of maximal electroshock seizures similar to that of phenytoin (ED50s = 16 and 8 mg/kg, respectively). It also has antiarrhythmic activity in isolated guinea pig atria and in anesthetized dogs. Formulations containing fosphenytoin have been used in the treatment of status epilepticus

Solubility Information

Solubility	H ₂ O: 100 mg/mL (246.16 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4616 mL	12.308 mL	24.616 mL
5 mM	0.4923 mL	2.4616 mL	4.9232 mL
10 mM	0.2462 mL	1.2308 mL	2.4616 mL
50 mM	0.0492 mL	0.2462 mL	0.4923 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Smith R D , Brown B S , Maher R W , et al. Pharmacology of ACC-9653 (Phenytoin Prodrug)[J]. Epilepsia, 2010, 30 (s2):S15-S21.

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