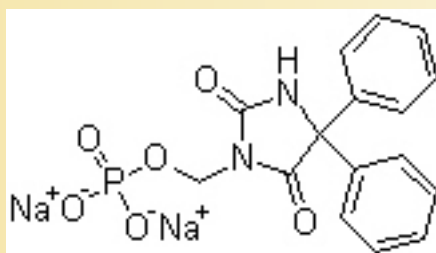


Fosphenytoin Sodium (Cas No 93390-81-9)

Fosphenytoin Sodium

Molecular Formula C₁₆H₁₃N₂Na₂O₆P

Molecular Weight 406.24



Systematic (IUPAC) name

(2,5-dioxo-4,4-diphenyl-imidazolidin-1-yl)methoxyphosphonic acid

Identifiers

CAS number 93390-81-9

ATC code N03AB05

PubChem 56339

DrugBank APRD00241

Chemical data

Formula C₁₆H₁₅N₂O₆P Mol. mass 362.274 g/mol

Pharmacokinetic data

Bioavailability 100% (IM)

Protein binding 95 to 99%

Metabolism Hepatic

Half life 15 minutes to convert to phenytoin

Excretion Renal (as phenytoin)

Fosphenytoin Sodium USP

Specification For : Fosphenytoin Sodium USP

Test Specification

Description A white or almost white crystalline powder

Identification A)IR

B)The retention time of peak obtained in the chromatogram of the Assay preparation responds to that in the chromatogram of the standard preparation obtained in the test of assay

C)Test for Sodium

pH Limit : Between 8.5-9.5