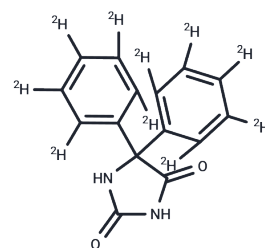


Phenytoin-d10

Chemical Properties

CAS No. :	65854-97-9
Formula:	C ₁₅ H ₂ D ₁₀ N ₂ O ₂
Molecular Weight:	262.33
Appearance:	no data available
Storage:	Powder -20°C for 3 years In solvent -80°C for 2 years



Biological Description

Description	Phenytoin-d10 is intended for use as an internal standard for the quantification of phenytoin by GC- or LC-MS. Phenytoin is an anticonvulsant agent and active metabolite of fosphenytoin. Phenytoin is formed from fosphenytoin by tissue phosphatases. It inhibits neuronal voltage-gated sodium channels in a voltage-dependent manner. Phenytoin reduces the neuronal firing frequency and decreases the amplitude of excitatory post-synaptic potentials (EPSPs) in electrically stimulated rat corticostriatal slices. It protects against seizures induced by maximal electroshock (MES) in mice. Formulations containing phenytoin have been used in the treatment of tonic-clonic seizures and status epilepticus.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.812 mL	19.060 mL	38.1199 mL
5 mM	0.7624 mL	3.812 mL	7.624 mL
10 mM	0.3812 mL	1.906 mL	3.812 mL
50 mM	0.0762 mL	0.3812 mL	0.7624 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481