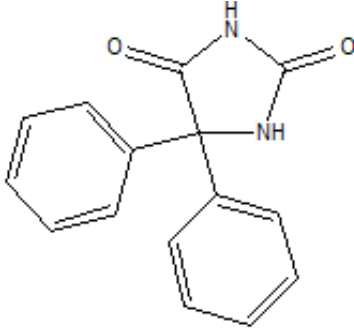


Records found: 1

| Compound: Phenytoin | | | | | | | |
|---|--|-------------------|------------|------------|------------|-------------------|------------------|
|  | | | | | | | |
| CAS: | 57-41-0 | | | | | | |
| Category: | Central Nervous System Agents | | | | | | |
| Subcategory: | Anticonvulsants | | | | | | |
| Formula: | C15 H12 N2 O2 | | | | | | |
| Molecular Weight: | 252.27 | | | | | | |
| SMILES: | O=C1NC(=O)C(N1)(C1=CC=CC=C1)C1=CC=CC=C1> | | | | | | |
| pKa: | 8.3 | | | | | | |
| Low est Solubility (mg/ml): | 0.01 | | | | | | |
| Human Permeability (x 10 ⁴ cm/s): | N/A | | | | | | |
| cLogP (BioLoom 5.0): | 2.08 | HIGH Permeability | | | | | |
| logP: | 2.47 | HIGH Permeability | | | | | |
| Country List: | Minimum Dose (mg) | Maximum Dose (mg) | Do (min)** | Do (max)** | Solubility | BCS Class (cLogP) | BCS Class (logP) |
| WHO | 25.0 | 100.0 | 10.0 | 40.0 | LOW | Class II | Class II |

** A volume of 250 mL is used for the drugs on the US, UK, SP, KOR, and WHO lists, and a volume of 150 mL is used for drugs on the JP list.