

## Phenytoin (CAS no. 57-41-0)

[Current status]

Finished Tier 1 *In vivo* tests (Tier 1 assessment to be implemented)



### Results of Reliability Evaluation (based on literature information)

Suggested Effects							
Estrogenic	Anti-estrogenic	Androgenic	Anti-androgenic	Thyroidal	Anti-thyroidal	Ecdysone	Others
-	P	P	-	-	P	-	P

P: Effects suggested by existing information  
 -: Effects NOT suggested by existing information  
 \*Others: Hypothalamic-Pituitary-Gonad Axis etc.

### Results of Tier 1 *in vitro* tests

Tested Mode of Actions							
Estrogenic	Anti-estrogenic	Androgenic	Anti-androgenic	Thyroidal	Anti-thyroidal	Ecdysone	Others
-	P	N	-	-	P	-	-

P: EC<sub>50</sub> or IC<sub>50</sub> values were detected  
 N: EC<sub>50</sub> or IC<sub>50</sub> values were not detected  
 \*: etc.

To be implemented: Mode of actions selected but not tested yet  
 -: Mode of actions not selected for testing

### Results of Tier 1 *in vivo* tests

A decrease in female hepatic vitellogenin level was not observed at sublethal concentrations to suggest antiestrogenic effect in this study.