

Pendimethalin (CAS no. 40487-42-1)

[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: Effects suggested by existing information
 -: Effects NOT suggested by existing information
 Others*: Hypothalamic-Pituitary-Gonad Axis etc.
 **: Effects suggested by USEPA EDSP

Results of Tier 1 *in vitro* tests

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

P: EC₅₀ or IC₅₀ values were detected
 N: EC₅₀ or IC₅₀ values were not detected
 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

Fish Short Term Reproduction Assay (FSTRA: OECD TG229) using Medaka

An increase in male hepatic vitellogenin level was observed at sublethal concentrations, indicating its estrogenic effect.