

Triphenyl phosphate (CAS no. 115-86-6)

[Current status]

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



Results of Reliability Evaluation (based on literature information)

Estrogenic							
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	-	N	-	-	-	-

P: EC₅₀ or IC₅₀ values were detected

N: EC₅₀ or IC₅₀ 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

An increase in male hepatic vitellogenin level was not observed at sublethal concentrations to suggest estrogenic effect. It was not concluded that triphenyl phosphate is an estrogenic compound. Regarding antiandrogenic activity, this study is not designed to detect it.

Since a significant decrease was observed in female hepatic vitellogenin level in this study, antiestrogenic activity should be tested in Tier 1 *in vitro* Test.