**Table X2 - 41 Reference chemicals used to assess *in vitro* assay performance.**

| **CASRN** | **Chemical Name** | **ER Agonist Classification** | **ER Antagonist Classification** |
| --- | --- | --- | --- |
| 57-63-6 | 17-Ethinyl estradiol | POS | NEG |
| 57-91-0 | 17alpha-Estradiol | POS |  |
| 50-28-2 | 17ß-Estradiol | POS |  |
| 434-22-0 | 19-Nortestosterone | POS |  |
| 599-64-4 | 4-Cumylphenol | POS |  |
| 68047-06-3 | 4-hydroxytamoxifen |  | POS |
| 140-66-9 | 4-tert-Octylphenol | POS |  |
| 521-18-6 | 5alpha-Dihydrotestosterone | POS | NEG |
| 520-36-5 | Apigenin | POS | NEG |
| 1912-24-9 | Atrazine | NEG |  |
| 90357-06-5 | Bicalutamide | NEG |  |
| 80-05-7 | Bisphenol A | POS | NEG |
| 77-40-7 | Bisphenol B | POS |  |
| 85-68-7 | Butylbenzyl phthalate | POS | NEG |
| 480-40-0 | Chrysin | POS | NEG |
| 50-41-9 | Clomiphene citrate | POS |  |
| 50-22-6 | Corticosterone | NEG |  |
| 479-13-0 | Coumestrol | POS | NEG |
| 486-66-8 | Daidzein | POS | NEG |
| 84-74-2 | Di-n-butyl phthalate |  | NEG |
| 115-32-2 | Dicofol | POS | NEG |
| 117-81-7 | Diethylhexyl phthalate |  | NEG |
| 56-53-1 | Diethylstilbestrol | POS | NEG |
| 53-16-7 | Estrone | POS |  |
| 120-47-8 | Ethyl paraben | POS |  |
| 60168-88-9 | Fenarimol | POS |  |
| 13311-84-7 | Flutamide | NEG |  |
| 446-72-0 | Genistein | POS | NEG |
| 52806-53-8 | Hydroxyflutamide | NEG |  |
| 520-18-3 | Kaempferol | POS | NEG |
| 143-50-0 | Kepone | POS | NEG |
| 65277-42-1 | Ketoconazole | NEG |  |
| 330-55-2 | Linuron | NEG |  |
| 84-16-2 | meso-Hexestrol | POS |  |
| 58-18-4 | Methyl testosterone | POS |  |
| 84371-65-3 | Mifepristone |  | NEG |
| 68-23-5 | Norethynodrel | POS | NEG |
| 789-02-6 | o,p’-DDT | POS | NEG |
| 104-40-5 | p-n-Nonylphenol | POS | NEG |
| 72-55-9 | p,p’-DDE | POS | NEG |
| 72-43-5 | p,p’-Methoxychlor | POS |  |
| 50-06-6 | Phenobarbital | NEG |  |
| 32809-16-8 | Procymidone | NEG |  |
| 57-83-0 | Progesterone |  | NEG |
| 82640-04-8 | Raloxifene HCL |  | POS |
| 50-55-5 | Reserpine | NEG |  |
| 501-36-0 | Resveratrol | POS | NEG |
| 52-01-7 | Spironolactone | NEG |  |
| 10540-29-1 | Tamoxifen | POS | POS |