Making solution of 22 chemicals

* Valproic acid

To make 500mM undiluted solution, 166.2mg of Valproic acid was dissolved into 2ml of MeOH. Original 500mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Cyclopamine

To make 250mM undiluted solution, 5mg of Cyclopamine was dissolved into 138.4ul of DMSO. Original 250mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Phenytoin

To make 125mM undiluted solution, 274.3mg of Phenytoin was dissolved into 8ml of MeOH. Original 125mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Methylmercury

75mM undiluted solution, which was dissolved with DMSO, was diluted 50uM into DMSO. And the highest concentration was used 1:1000 into media.

* Acrylamide

To make 1000mM undiluted solution, 142.16mg of Acrylamide was dissolved into 2ml of EtOH. Original 1000mM stock was diluted 5000uM into DMSO. And the highest concentration was used 1:1000 into media.

* 4-OH-2’,3,3’,4’,5’-PCB107

0.07658mM undiluted solution, which was dissolved with DMSO, was diluted 10uM into DMSO. And the highest concentration was used 1:1000 into media.

* 2, 5-Hexanedione

To make 1000mM undiluted solution, 11.7ul of 2,5-Hexanedione was diluted with 988.3ul of DMSO. Original 1000mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Warfarin

To make 1000mM undiluted solution, 308.3mg of Warfarin was dissolved with 1ml of DMSO. Original 1000mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Thalidomide

To make 250mM undiluted solution, 100mg of Thalidomide was dissolved with 1548ul of DMSO. Original 250mM stock was diluted 500uM into DMSO. And the highest concentration was used 1:1000 into media.

* Benzo[a]anthracene

4mM undiluted solution, which was dissolved with MeOH, was diluted 50uM into DMSO. And the highest concentration was used 1:1000 into media.

* 3-Methylcholanthrene

To make 50mM undiluted solution, 26.8mg of 3-Methylcholanthrene was dissolved with 2ml of DMSO. Original 50mM stock was diluted 500uM into DMSO. And the highest concentration was used 1:1000 into media.

* Benzo[a]pyrene

To make 40mM undiluted solution, 100mg of Benzo[a]pyrene was dissolved with 10ml of DMSO. Original 40mM stock was diluted 500uM into DMSO. And the highest concentration was used 1:1000 into media.

* Diethylnitrosamine

93mM undiluted solution was diluted 500uM into DMSO. And the highest concentration was used 1:1000 into media.

* Diethylbestrol

To make 250mM undiluted solution, 100mg of Diethylbestrol was dissolved with 1678ul of DMSO. Original 250mM stock was diluted 500uM into DMSO. And the highest concentration was used 1:1000 into media.

* 2,3,7,8-TCDD

0.160mM undiluted solution, which was dissolved with DMSO, was diluted 10uM into DMSO. And the highest concentration was used 1:1000 into media.

* Lithocholic acid

To make 1000mM undiluted solution, 376.6mg of Lithocholic acid was dissolved with 1ml DMSO. Original 1000mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Thioacetamide

To make 1000mM undiluted solution, 75.1mg of Thioacetamide was dissolved with 1ml DMSO. Original 1000mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Butylated hydroxyanisole

To make 1000mM undiluted solution, 180.2mg of Butylated hydroxyanisole was dissolved with 1ml DMSO. Original 1000mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Methapyrilene hydrochloride

To make 1000mM undiluted solution, 297.9mg of Methapyrilene hydrochloride was dissolved with 1ml of DMSO. Original 1000mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Phenobarbital

To make 1000mM undiluted solution, 464.48mg of Phenobarbital was dissolved with 2ml DMSO. Original 1000mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Bisphenol-A

To make 500mM undiluted solution, 100mg of Bisphenol-A was dissolved with 876ul DMSO. Original 500mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.

* Permethrin

To make 255mM undiluted solution, 10mg of Permethrin was dissolved with 100ul DMSO. Original 255mM stock was diluted 1000uM into DMSO. And the highest concentration was used 1:1000 into media.