



Fraunhofer ITEM and Molecular Networks Altamira (MN-AM) announce their joint collaboration on integrating Fraunhofer's RepDose database on repeated dose toxicity studies into MN-AM's ChemTunes platform to further support the safety and risk assessment of chemicals.

RepDose Database

RepDose has been constructed by Fraunhofer ITEM, first initiated from CEFIC LRI to house highly selective data to provide reliable NOEL or LOEL values with accompanying effects from repeated dose toxicity studies [1]. It also provides study reliability measures.

RepDose Features*

		No of compounds	No of studies
Study types	Short Term Toxicity	345	503
	Sub-chronic	384	652
	Chronic	316	667
Species	Rat	620	1,243
	Mouse	291	512
	Dog	35	67
Routes	Oral - generic	8	9
	Oral - Gavage/Intubation	345	951
	Oral - Drinking Water	88	204
	Oral - Dietary	322	658

*RepDose data will be updated annually, hence these counts will also change.

[1] Bitsch A, Jacobia S, Melbera C, Wahnschaffe U, Simetska N, Mangelsdorf I, REPDOSE: A database on repeated dose toxicity studies of commercial chemicals—A multifunctional tool. *Regulatory Toxicology and Pharmacology* **2006**, 46(3), 202–210.