short name	name of the model / tool	exposure target	route of exposure	sources of exposure	product class / chemicals / substances	tier / complexity	strengths	limitations	evaluation status	source / reference / download	platform	availability	level of maintenance	owner/ developer	language	model input	model structure	model output	tool	model	remarks on model / tool	version available	last update	edited by
GastroPlus	Gastroplus incl. PBPKPlus/ADMET predictor/ect.	Consumer	inhalation, dermal, oral		drugs					https://www.simulations-plus.com/software/gastroplus/		commercial	active	Simulations Plus	english				yes	yes		9.8.1	2021	NvG
HBM SIMULATOR	Human Biomonitoring (HBM) SIMULATOR	Consumer	inhalation, dermal, oral		4 different metals (As, Cd, Mn, Ni) and 15 organic compounds (incl. 9 parabens, triclosan, triclocaban, chlorophenone-1, -3, -8, and Bisphenol A)					http://cefic-lri.org/toolbox/hbm-simulator/	Runs on MATLAB Component Runtime 7.14 needs to be installed.	free	active	Cefic LRI / VITO / the Health & Safety Laboratory and the Summit Toxicology	english									NvG
HTTK	High-Throughput Toxicokinetics	Consumer	oral		pharmaceuticals					https://CRAN.R-project.org/package=httk	R software	free		Pearce RG, Setzer RW, Strope CL, Wambaugh JF, Sipes NS. httk: R Package for High-Throughput Toxicokinetics. *J Stat Softw*. 2017;79(4):1-26. doi:10.18637/jss.v079.i04	english							1.7		NvG
IH SKINPERM	IH SKINPERM	Worker, Consumer	dermal		Liquid, vapor, and solids	Includes a built-in database that allows user to select from a list of chemicals. The model is easy to use, easy to read and comprehend reports, includes the ability to add chemicals and create a User's Database.		Pure substances or aqueous mixtures only, unless the water solubility of the substance in the non-aqueous mixture is known. Molecular weight between 18 and 584 Log K_{ow} between -3.7 and 5.49	Published article indicated good reliability and accuracy.	https://www.aiha.org/get-involved/VolunteerGroups/Pages/Exposure-Assessment-Strategies-Committee.aspx	Excel		Model accessible to EASC volunteer group (members only)	AIHA's Exposure Assessment Strategies Committee (EASC) and the Dermal Project Team (DPT) in collaboration with Wil ten Berge	english									NvG
IndusChemFate	IndusChemFate	Different Targets	inhalation, dermal, oral		generic PBTK-model, applicable for volatile and semi-volatile chemicals	Screening level		respiratory system not described in detail, therefore less suitable for particles seems to be limited to chemicals with a short half-life in the body		http://cefic-lri.org/toolbox/induschemfate/	Excel-spreadsheet	free		CEFIC LRI	english							2.0	2011	NvG

										URL													
IVIVE-Fish BCF	In Vitro-In Vivo Extrapolation: Fish Bioconcentration Factor (IVIVE – Fish BCF) Model	fish		organic chemcials						https://arnotresearch.com/IVIVE/	online	free	active	ARC	english								
IV-MBM	In Vitro Mass Balance Model (IV-MBM)	in vitro data	in vitro experimental set up	organic chemicals			true concentration in vitro			https://arnotresearch.com/IV-MBM/	online and excel	free	active	ARC	english								
PK-SIM	PK-SIM	Consumer	oral							http://www.open-systems-pharmacology.org/		free			english								NvG
PLETHEM	Plethem: Population Life-course exposure to health effects model	Consumer	various							CRAN (https://cran.r-project.org/web/packages/plethem/index.html) or Github	R package	free			englisch				open source hub for models				NvG
SimCyp	SimCyp	Consumer	PBPK	drugs																			