How to implement CA and IA in TKTD and DEB-modelling?

To what extend can we expect TK and TD to be similar, if the molecular MoA of two compounds are similar?
- find examples where we would expect them to be similar
- Find examples where they would not be

Which model, CA or IA, could be used to model TKTD of non-interacting mixtures? - and how?
How to implement CA and IA in TKTD and DEB-modelling?

How would you implement CA in a DEB-model?
How would you implement IA?

Do you think it would matter whether the chemical was administered chronically or as a pulse?
How to implement CA and IA in TKTD and DEB-modelling?

Which hypotheses have you generated in terms of implementing CA and IA in TKTD-modelling?

What experiments could be conducted to prove or dis-prove these hypotheses?
An example of mixture toxicity in DEB

Dynamic Modeling of Sublethal Mixture Toxicity in the Nematode *Caenorhabditis elegans*

Tjalling Jager,*† Eva María Gudmundsdóttir,‡ and Nina Cedergreen*†
An example of mixture toxicity in "GUTS"

The order of pulses determines the effect.

A model adding damage could explain the results for the carbamate/organophosphate mixture.

Will be exiting to see to what extend the principle can be extrapolated to other compounds and mixture scenarios :o)