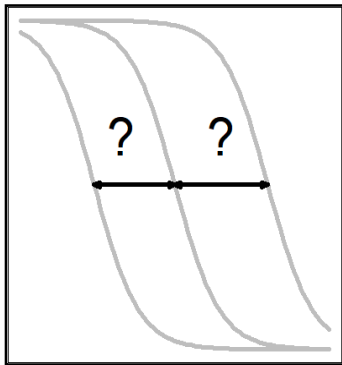*Step 1*

Significant difference between EC_{50}s across exposure durations?

Yes

No

Step 2

Fit td2pLL
(Account for effect of exposure duration)

Fit single 2pLL
(Ignore effect of exposure duration)