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data<-read_excel(wafile1,sheet=washeet1)
d2<-filter(data,data$Endpoint %in% c("Clint","Fu"))
d3<-d2[!duplicated(d2[c(2,9)]),]
n1<-d3 %>%
  group_by(d3$CASRN) %>%
  summarize(n())
colnames(n1)<-c('CAS','n')
n2<-d3 %>%
  group_by(d3$'Qsar Ready ID') %>%
  summarize(n())
colnames(n2)<-c('Inchikey','n')

all1<-left_join(filter(tlist,!is.na(tlist$CAS)),n1,by='CAS')
all2<-left_join(filter(tlist,is.na(tlist$CAS)),n2,by='Inchikey')
all<-rbind(all1,all2)

all<-all[order(all$CID,all$CAS,na.last=FALSE),]
for (i in 1:dim(all)[1]) {
  all$tox[i]<-all$n[i]
  all$t_vitro[i]<-all$n[i]}
all[,5:ncol][is.na(all[,5:ncol])] <- 0

wb <- loadWorkbook(outfile)
writeData(wb, sheet = "ADME", all[1:ncol], colNames = F,startRow=3)
saveWorkbook(wb,outfile,overwrite = T)

```