

US EPA ARCHIVE DOCUMENT

Nov. 9, 1987

Memo

RE: Alachlor  $Q^*$

Engler, Levy + Hauswirth  
have selected ~~the~~ a single  
estimate of  $Q^*$ ,  $8 \times 10^{-2}$   
based on the 2<sup>nd</sup> rat study  
using <sup>the geometric mean of male + female</sup> nasal turbinate tumors

This decision was made  
because the current policy  
is that only one value  
for  $Q^*$  shall be selected,  
based on the qualitative  
aspects of the data. <sup>In the case</sup> ~~particular~~  
of Alachlor it was deemed  
inappropriate to combine tumors  
or tumor incidence across sex.

The second study was considered more appropriate for risk assessment since:

- 1) the 1<sup>st</sup> study exceeded the MTD @ high-dose.
- 2) the 2<sup>nd</sup> study used the current ~~mixture~~ technical mix
- 3) the 2<sup>nd</sup> study was designed and conducted with knowledge that nasal tumors were likely.