

PHENELZINE SULPHATE (Group 3)

A. Evidence for carcinogenicity to humans (*inadequate*)

A liver angiosarcoma was reported in one person who had taken phenelzine sulphate for six years preceding tumour diagnosis¹.

B. Evidence for carcinogenicity to animals (*limited*)

When phenelzine sulphate was administered to mice in drinking-water for life, incidences of lung and blood-vessel tumours were significantly increased in female but not in male animals¹.

C. Other relevant data

No data were available on the genetic and related effects of phenelzine sulphate in humans. It did not induce DNA strand breaks in mice treated *in vivo*. In bacteria, it was mutagenic and induced DNA damage².

References

¹*IARC Monographs*, 24, 175-184, 1980

²*IARC Monographs, Suppl. 6*, 453-454, 1987