

1,4-BIS(CHLOROMETHOXYMETHYL)BENZENE

Data were last reviewed in IARC (1977) and the compound was classified in *IARC Monographs Supplement 7* (1987).

1. Exposure Data

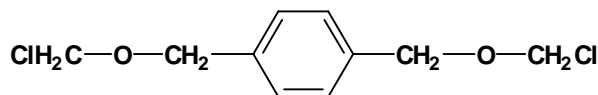
1.1 Chemical and physical data

1.1.1 Nomenclature

Chem. Abstr. Services Reg. No.: 56894-91-8

Systematic name: 1,4-Bis(chloromethoxymethyl)benzene

1.1.2 Structural and molecular formulae and relative molecular mass



$\text{C}_{10}\text{H}_{12}\text{Cl}_2\text{O}_2$

Relative molecular mass: 235.1

1.2 Production and use

1,4-Bis(chloromethoxymethyl)benzene was investigated in the United States for use in the production of ion-exchange resins (IARC, 1977).

2. Studies of Cancer in Humans

No data were available to the Working Group.

3. Studies of Cancer in Experimental Animals

1,4-Bis(chloromethoxymethyl)benzene was tested for carcinogenicity in mice by application to the skin or subcutaneous injection; it produced malignant tumours at the sites of application (IARC, 1977).

4. Other Data Relevant to an Evaluation of Carcinogenicity and its Mechanisms

No data were available to the Working Group.

5. Evaluation

No epidemiological data relevant to the carcinogenicity of 1,4-bis(chloromethoxymethyl)benzene were available.

There is *limited evidence* in experimental animals for the carcinogenicity of 1,4-bis(chloromethoxymethyl)benzene.

Overall evaluation

1,4-Bis(chloromethoxymethyl)benzene is *not classifiable as to its carcinogenicity to humans (Group 3)*.

6. References

- IARC (1977) *IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man*, Vol. 15, *Some Fumigants, the Herbicides 2,4-D and 2,4,5-T, Chlorinated Dibenzodioxins and Miscellaneous Industrial Chemicals*, Lyon, pp. 37–39
- IARC (1987) *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans*, Supplement 7, *Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42*, Lyon, p. 58