

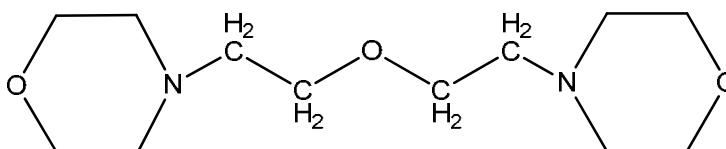
In vitro Mammalian chromosome aberration test (OECD TG473) – Data Sheet -

Japan Bioassay Research Center
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The data sheet was reviewed and created by Hazard-Data Evaluation Committee of National Institute of Technology and Evaluation in fiscal year 2011 based on the study report obtained by Ministry of Economy, Trade and Industry.

Test substance

MITI No. : 5-6265
CAS No. : 6425-39-4
Chemical name : Bis(2-morpholinoethyl)ether
Synonym : 4,4'-(3-oxapentane-1,5-diyl)bismorpholine
Molecular weight : 244.33
Molecular formula : $C_{12}H_{24}N_2O_3$
Structural formula :



Appearance : Reddish yellow transparent liquid
Solubility : Soluble in water
Purity : 94.8%

Experimental Method

Cells : Chinese hamster lung (CHL/IU) cells
Vehicle : Pure water (dissolved)
Dosage : -S9mix (short-term treatment) 0.16 - 2.5 mg/mL
 +S9mix (short-term treatment) 0.16 - 2.5 mg/mL
 -S9mix (continuous treatment,24h) 0.16 - 2.5 mg/mL
 -S9mix (continuous treatment,48h) 0.078 - 1.3 mg/mL
Evaluation Criteria : Incidence of cells with chromosome aberration:
 <5%; negative
 5% , < 10%; equivocal
 10% ; positive

Result

Negative

Note