

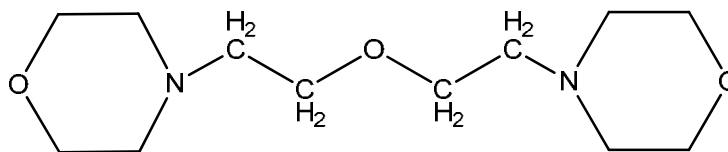
Acute Oral Toxicity-Acute toxic class method(OECD TG423) -Data Sheet-

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 : Colorless transparent liquid
Solubility : Soluble in water
Purity : 94.8%

Experimental Method

Test animal : CrI:CD (SD) female rats, 8 or 9 weeks old (at administration)
Number of animals : 3 rats/group
Administration : Oral gavage (starved from 4 p.m. on the day before administration to 3 hours after administration)
Vehicle : Water for injection (dissolved)
Dosing volume : 5 mL/kg
Dose level : 300 → 300 → 2000 mg/kg
Observation period : 14 days

Results

| | | |
|--------------------|------------------|---|
| dose(mg/kg) | 300 (twice) | 2000 |
| Mortality | 0/6 | 3/3 |
| Days found dead | - | 2 or 3days after administration |
| Clinical sign | NE | increase in irritability of touch response (rigidity and vocalization), nasal hemorrhagic discharge, irregular respiration, salivation, decreased locomotor activity, straub tail, no-feces |
| Body weight | NE | Decrease(the next day of dosing) |
| Necropsy | NE | red zone in the lung |
| Histopathology | - | - |
| Cause of death | - | |
| LD50 value | 300 - 2000 mg/kg | |
| GHS classification | Category 4 | |

Note