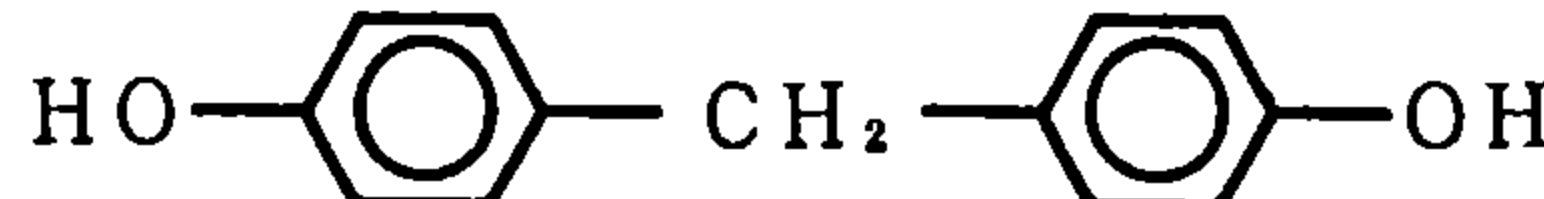
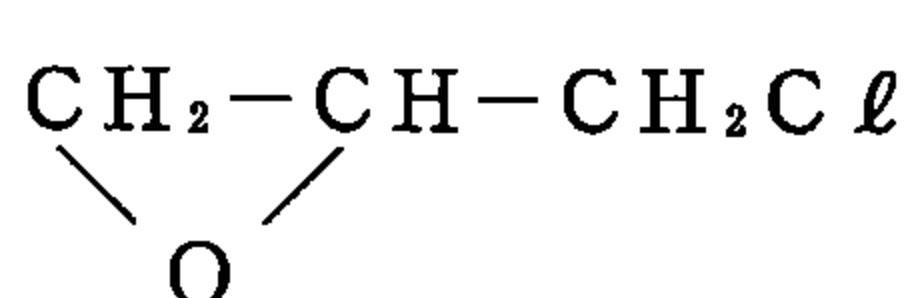


Epoxy resin intermediate(Reaction products of methylene bisphenol and chloromethyl oxirane)  
(メチレンビスフェノール型エポキシ樹脂中間体)

<b>Chemical Name:</b> Epoxy resin intermediate (Reaction products of methylene bisphenol and chloromethyl oxirane)
<b>Molecular weight:</b> number average 330(n=0:312)
<b>Melting point:</b> °C
<b>Boiling point:</b> °C
<b>Chemical Structure</b>
 $\text{HO}-\text{C}_6\text{H}_4-\text{CH}_2-\text{C}_6\text{H}_4-\text{OH}$ $+ \text{CH}_2-\text{CH}-\text{CH}_2\text{Cl}$ 
<b>CAS No :</b> (58421-55-9)
<b>MITI No:</b> ((7)-1285, n=0)
<b>Source of Substance:</b>
<b>Lot. No. :</b>
<b>Purity:</b> %
<b>Vehicle:</b> DMSO

Experimental Data

	Treated Time (Hr)	Concentration (mg/ml)	No. of Meta-phase	Poly-ploid (%)	Judge	Cell with Structural Chromosome Aberration (%)							
						Gap	CTB	CTE	CSB	CSE	Total		Judge
											-G	+G	
DMSO	24		200	2.5	—	0	0	0.5	0	0	0.5	0.5	—
	48		200	2.0	—	0	0	1.0	0	0	1.0	1.0	—
<b>Test Chemical</b>													
	24	0.0026	200	0.5	—	0	0.5	0.5	0	0	1.5	1.5	—
		0.0064	200	1.5	—	1.0	0	2.0	0	0	2.0	3.0	—
		0.016	200	3.0	—	0.5	2.0	7.0	0	0	8.5	9.0	±
		0.04	200	0	—	10.0	41.0	91.5	0	0	94.5	94.5	+
		0.1				No observation for metaphase							
	48	0.0026	200	0.5	—	0	0	0.5	0	0	0.5	0.5	—
		0.0064	200	0.5	—	0.5	0	0.5	0	0	0.5	1.0	—
		0.016	200	0	—	0	0	0.5	0	0	0.5	0.5	—
		0.04	200	3.0	—	4.5	12.0	45.0	0	0.5	48.0	48.0	+
		0.1				No observation for metaphase							
<b>Positive Control (MMC)</b>													
	24		200	0	—	1.5	4.0	27.5	0	0	30.0	31.0	+
	48		200	0	—	2.5	9.0	37.5	0	0	41.5	42.5	+

Judgement for Chromosomal Aberration in CHL: Positive

IARC Evaluation : not yet cited

Experimental Data

S 9 with or without	Concent- ration (mg/ml)	No. of Meta- phase	Poly- ploid (%)	Judge	Cell with Structural Chromosome Aberration (%)							Judge	
					CTG			FRG		Total			
					Gap	CTB	CTE	CSB	CSE	-G	+G		
DMSO	-	200	1.0	-	0.5	0	1.0	0	0	1.0	1.5	-	
	+	200	0	-	0.5	0	1.5	0	0	1.5	1.5	-	
<b>Test Chemical</b>													
	-	0.05	200	0.6	-	10.7	33.1	98.9	0	0	98.9	98.9	+
		0.1				No observation for metaphase							
		0.2				No observation for metaphase							
		0.3				No observation for metaphase							
		0.4				No observation for metaphase							
	+	0.05	200	3.0	-	0	0.5	0.5	0	0	1.0	1.0	-
		0.1	200	2.5	-	0	0.5	1.5	0	0	2.0	2.0	-
		0.2	200	1.5	-	2.0	4.5	17.5	0	0.5	18.5	19.0	+
		0.3	200	0	-	7.5	28.0	91.0	0	0	94.0	94.0	+
		0.4	200			No observation for metaphase							
<b>Positive Control (CP)</b>													
	-		200	0.5	-	0	0.5	0.5	0	0	1.0	1.0	-
	+		200	0	-	1.0	6.0	33.0	0	0	36.5	36.5	+