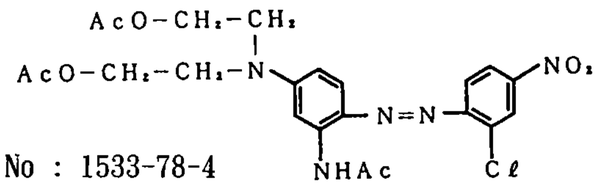
5'-〔Bis(2-acetoxyethyl)amino〕-2'-(2-chloro-4-nitrophenylazo)acetanilide
5'-〔ビス(2-アセトキシエチル)アミノ〕-2'-(2-クロロ-4-ニトロフェニルアゾ)アセトアニリド

Experimental Data

Chemical Name: 5'-〔Bis(2-acetoxyethyl)amino〕-2'-(2-chloro-4-nitrophenylazo)acetanilide
Synonym: Acetamide, N-〔5-〔bis〔2-(acetyloxy)ethyl〕amino〕-2-〔(2-chloro-4-nitrophenyl)azo〕phenyl〕-
Molecular weight: 505.5
Melting point: 140℃
Boiling point: ℃
Chemical Structure



CAS No : 1533-78-4
MITI No : (3)-3595

Source of Substance:
Lot.No.:
Purity:
Vehicle: 1% CMC

Induction for
Chromosomal Abberation : Negative

IARC Overall Evaluation : not yet cited

	Treated time (Hr)	Concentration (mg/ml)	No. of Metaphase	Polyploid (%)	Judge	Cell with Structural Chromosome Aberration (%) Gap	CTB	CTE	CSB	CSE	Total -G	Total +G	Judge
CMC	24		200	0	−	0	0	0	0	0	0	0	−
	48		200	0.5	−	0	0	0	0	0	0	0	−
Test Chemical													
	24	1.0	200	1.0	−	0.5	0	0	0	0	0	0.5	−
		2.0	200	0	−	0.5	0	0.5	0	0	0.5	1.0	−
		4.0	200	0	−	1.0	0	0.5	0	0	0.5	1.5	−
		5.0	200	1.5	−	0.5	0	0	0	0	0	0.5	−
	48	1.0	200	1.5	−	0.5	0	0	0	0	0	0.5	−
		2.0	200	2.0	−	0.5	0	0	0	0	0	0.5	−
		4.0	200	3.0	−	0.5	0	0	0	0	0	0.5	−
		5.0	200	3.0	−	1.5	0.5	0	0	0	0.5	1.5	−
Positive Control													
(MMC)	24	0.0001	200	0	−	2.0	8.5	44.5	0	0	51.0	51.5	+
	48	0.0001	200	2.0	−	2.0	8.5	53.0	0	0	59.5	60.0	+

Experimental Data

	S 9 with or without	Concentration (mg/ml)	No. of Metaphase	Polyploid (%)	Judge	Cell with Structural Chromosome Aberration (%)							
						CTG			FRG		Total		
						Gap	CTB	CTE	CSB	CSE	-G	+G	Judge
C M C	−		200	0.5	−	1.0	0	0.5	0	0	0.5	1.5	−
	+		200	1.0	−	0	0	0.5	0	0	0.5	0.5	−
Test Chemical													
	−	2.0	200	0.5	−	0	0	0.5	0	0	0.5	0.5	−
		4.0	200	1.0	−	1.0	0	0.5	0	0	0.5	1.5	−
		8.0	200	1.0	−	0	0	0	0	0	0	0	−
		16.0	200	3.5	−	1.0	0	0.5	0	0	0.5	1.5	−
	+	2.0	200	0	−	1.5	0	1.0	0	0	1.0	2.5	−
		4.0	200	0.5	−	0	0.5	0.5	0	0	1.0	1.0	−
		8.0	200	0	−	0.5	1.0	1.0	0	0	1.5	2.0	−
		16.0	200	0	−	0	0	1.0	0	0	1.0	1.0	−
Positive Control													
(B(a)p)	−	0.016	200	0	−	0.5	0	0	0	0	0	0.5	−
	+	0.016	200	0	−	3.0	8.0	44.0	0	0	46.0	47.5	+