

Cadmium chloride (2.5 hydrate)(塩化カドミウム)

Chemical Name: Cadmium chloride (2.5 hydrate)
Synonym
Molecular weight: 228.34
Melting point: °C
Boiling point: °C
Chemical Structure
$CdCl_2 \cdot 2\frac{1}{2}H_2O$
CAS No: 7790-78-5
MITI No: (1)-199
Specified chemical substances:
Source of Substance: Wako Pure Chem. Ind., Ltd.
Lot. No.: CDR3434
Purity: Guaranteed reagent
Vehicle: H <sub>2</sub> O

Mutagenicity  
in Bacterial Test: Negative  
IARC Evaluation: not yet cited

Judgement  
Specific Mutagenicity  
Positive  
Control

Con. μg/ plate	Experimental Data														
	Number of Revertants/plate														
	Base-substitution						Frame-shift								
	TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538				
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+			
H <sub>2</sub> O	( )	( 193 )	( )	( 13 )	( 32 )	( 38 )	( 25 )	( 50 )	( 22 )	( 15 )	( 10 )	( 31 )			
		191		14	28	42	22	48	7	11	16	26			
		192		14	32	32	29	47	5	17	21	26			
50	( )	( 192 )	( )	( 14 )	( 30 )	( 37 )	( 26 )	( 48 )	( 6 )	( 14 )	( 19 )	( 26 )			
		191		16	33	48	30	48	15	25	11	28			
		180		12	18	35	33	46	6	25	16	19			
100	( )	( 186 )	( )	( 14 )	( 26 )	( 42 )	( 32 )	( 47 )	( 11 )	( 25 )	( 14 )	( 24 )			
		175		14	33	48	31	32	8	6	18	25			
		205		16	40	42	35	39	5	9	25	20			
200	( )	( 190 )	( )	( 15 )	( 37 )	( 45 )	( 33 )	( 36 )	( 7 )	( 8 )	( 22 )	( 23 )			
		165		11	36	47	28	49	8	11	21	25			
		183		14	39	38	37	36	10	13	13	21			
500	( )	( 174 )	( )	( 13 )	( 38 )	( 43 )	( 33 )	( 43 )	( 9 )	( 12 )	( 17 )	( 23 )			
		127		13	37	52	27	33	4*	20	23	21			
		85		22	37	30	29	38	13*	19	13	21			
1000	( )	( 106 )	( )	( 18 )	( 37 )	( 41 )	( 28 )	( 36 )	( 9* )	( 20 )	( 18 )	( 21 )			
		62*		6*	11*	10*	23*	44	5*	10	10*	25			
		64*		3*	11*	13*	30*	43	4*	11	19*	26			
2000	( )	( 63* )	( )	( 5* )	( 11* )	( 12* )	( 27* )	( 44 )	( 5* )	( 11 )	( 15* )	( 26 )			
		38*		0*	0*	0*	9*	30*	4*	4*	9*	26*			
		49*		4*	1*	4*	14*	30*	7*	4*	15*	26*			
5000	( )	( 44* )	( )	( 2* )	( 1* )	( 2* )	( 12* )	( 30* )	( 6* )	( 4* )	( 12* )	( 26* )			
		-		-	-	-	-	-	-	-	-	-			
		AF2	2AA	0.5	NaN <sub>3</sub>	2AA	AF2	2AA	80	AF2	2AA	9AA	2AA	4NQO	2AA
		( )	( 585 )	( )	( 160 )	( 252 )	( 1784 )	( 598 )	( 390 )	( 143 )	( 271 )	( 454 )	( 374 )	( )	( )