

Manganese chloride(4 hydrate) (塩化マンガン)

Chemical Name: Manganese chloride(4 hydrate)
Synonym
Molecular weight: 197.91
Melting point: 58°C
Boiling point: 106°C
Chemical Structure
$MnCl_2 \cdot 4H_2O$
CAS No: 13446-34-9
MITI No: (1)-235
Specified chemical substances: G2
Source of Substance: Wako Pure Chem. Ind., Ltd.
Lot.No.: EPL3447
Purity: Guaranteed reagent
Vehicle: H ₂ O

Experimental Data

Con. μg/ plate	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 ₂ O	(108)	(116)	(22)	(13)	(54)	(53)	(14)	(26)	(10)	(17)	(13)	(25)	
	113	110	22	11	47	55	11	21	8	12	16	25	
	98	100	27	15	48	47	14	30	9	20	12	29	
20	(106)	(105)	(25)	(13)	(48)	(51)	(13)	(26)	(9)	(16)	(14)	(27)	
	111	93	14	14	41	39	15	23	10	12	12	22	
	121	96	20	9	43	22	10	23	12	20	13	21	
50	(116)	(95)	(17)	(12)	(42)	(31)	(13)	(23)	(11)	(16)	(13)	(22)	
	120	110	13	12	47	42	14	21	12	13	16	25	
	108	91	18	16	53	42	14	24	9	13	13	15	
100	(114)	(101)	(16)	(14)	(50)	(42)	(14)	(23)	(11)	(13)	(15)	(20)	
	121	109	22	18	44	51	19	29	8	16	11	24	
	111	114	19	14	40	50	12	20	13	12	10	25	
200	(116)	(112)	(21)	(16)	(42)	(51)	(16)	(25)	(11)	(14)	(11)	(25)	
	96	98	21	9	50	46	11	19	8	14	12	19	
	120	124	24	11	42	38	11	22	12	17	15	25	
500	(108)	(111)	(23)	(10)	(46)	(42)	(11)	(21)	(10)	(16)	(14)	(22)	
	97	110	17	10	48	41	13	29	7	19	14	23	
	103	97	21	13	39	53	16	17	10	18	11	20	
1000	(100)	(104)	(19)	(12)	(44)	(47)	(15)	(23)	(9)	(19)	(13)	(22)	
	113	96	20	14	47	49	12	19	10	13	12	13	
	108	100	16	12	42	53	16	20	9	13	16	15	
2000	(111)	(98)	(18)	(13)	(45)	(51)	(14)	(20)	(10)	(13)	(14)	(14)	
	103	75	15	10	43	32	6	14	10	10	16	15	
	92	89	17	11	49	34	4	12	12	11	15	13	
5000	(98)	(82)	(16)	(11)	(46)	(33)	(5)	(13)	(11)	(11)	(16)	(14)	
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Judgement	—												
Specific Mutagenicity	—												
Positive Control	AF2	2AA	0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
Control	(448)	(541)	(231)	(128)	(304)	(739)	(376)	(673)	(1054)	(143)	(319)	(594)	