

Titanium(III)chloride (三塩化チタン)

Experimental Data

Chemical Name: Titanium(III)chloride Synonym: Titanium trichloride Molecular weight: 154.26 Melting point: 440°C Boiling point: Chemical Structure TiCl ₃ CAS No: 7705-07-9 MITI No: (1)-905 Source of Substance: Wako Pure Chem. Ind., Ltd. Lot. No.: EPP2734 Purity: 98 % Vehicle: DMSO	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+	
DMSO	(84)	(88)	(14)	(12)	(47)	(47)	(12)	(28)	(7)	(10)	(11)	(21)	
	89	81	15	9	60	39	9	24	5	11	17	23	
	95	85	15	15	45	61	15	23	6	12	9	13	
10	(92)	(83)	(15)	(12)	(53)	(50)	(12)	(24)	(6)	(12)	(13)	(18)	
	87	93	10	10	44	39	10	22	8	10	18	17	
	90	89	13	17	53	35	14	32	5	11	17	17	
20	(89)	(91)	(12)	(14)	(49)	(37)	(12)	(27)	(7)	(11)	(18)	(17)	
	78	88	13	15	47	60	17	24	4	18	14	19	
	73	86	15	12	45	42	16	34	6	11	8	23	
50	(76)	(87)	(14)	(14)	(46)	(51)	(17)	(29)	(5)	(15)	(11)	(21)	
	89	109	14	11	37	44	15	38	7	9	15	19	
	101	98	16	8	45	60	20	30	8	8	18	18	
100	(95)	(104)	(15)	(10)	(41)	(52)	(18)	(34)	(8)	(9)	(17)	(19)	
	88	144	10	14	57	62	18	38	7	15	9	30	
	100	146	12	13	48	63	18	49	5	4	11	18	
200	(94)	(145)	(11)	(14)	(53)	(63)	(18)	(44)	(6)	(10)	(10)	(24)	
	127	256	12	12	45	65	18	55	7	6	21	14	
	127	256	11	15	56	63	19	47	4	6	12	24	
500	(127)	(256)	(12)	(14)	(51)	(64)	(19)	(51)	(6)	(6)	(17)	(19)	
	154	322	10	18	46	51	24	48	4	4	11	25	
	130	326	9	9	44	67	20	40	7	13	12	15	
1000	(142)	(324)	(10)	(14)	(45)	(59)	(22)	(44)	(6)	(9)	(12)	(20)	
	105	214	7	7	46	54	19	10	5	6	10	8	
	96	222	9	9	49	43	17	21	5	4	10	9	
2000	(101)	(218)	(8)	(8)	(48)	(49)	(18)	(16)	(5)	(5)	(10)	(9)	
	-	+	-	-	-	-	-	-	-	-	-	-	
Judgement Specific Mutagenicity Positive Control		336											
	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA	
	(373)	(294)	(288)	(339)	(369)	(666)	(310)	(310)	(819)	(179)	(423)	(279)	