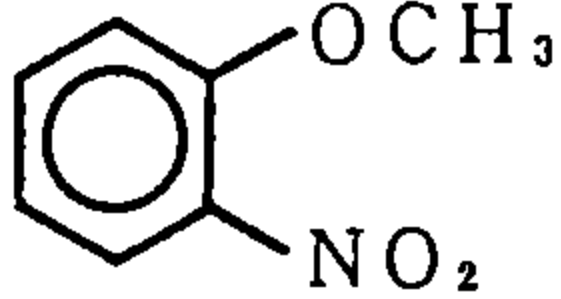


o-Nitroanisole (o-ニトロアニソール)

Experimental Data

<b>Chemical Name:</b>	o-Nitroanisole
<b>Synonym</b>	1-Methoxy-2-nitrobenzene Benzene, 1-methoxy-2-nitro-
<b>Molecular weight:</b>	153.14
<b>Melting point:</b>	9.50 °C
<b>Boiling point:</b>	273°C
<b>Flashing point:</b>	>110 °C
<b>Chemical Structure</b>	
<b>CAS No:</b>	91-23-6
<b>MITI No:</b>	(3)-787
<b>Source of Substance:</b>	Wako Pure Chem. Ind., Ltd.
<b>Lot. No.:</b>	TLH2906
<b>Purity:</b>	99.3 %
<b>Vehicle:</b>	DMSO

Con. μg/ plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2uvrA		TA98		TA1537	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(125)	(144)	(17)	(10)	(47)	(52)	(14)	(30)	(6)	(10)
	118	179	19	13	53	41	15	30	7	6
	118	150	18	15	57	55	19	31	4	7
50	(118)	(165)	(19)	(14)	(55)	(48)	(17)	(31)	(6)	(7)
	137	164	26	13	48	53	10	29	6	5
	133	174	24	10	48	56	11	31	5	9
100	(135)	(168)	(25)	(12)	(48)	(55)	(11)	(30)	(6)	(7)
	158	190	22	9	30	73	12	26	2	7
	157	226	26	15	44	61	16	35	2	6
200	(158)	(208)	(24)	(12)	(37)	(67)	(14)	(31)	(2)	(7)
	197	288	29	14	71	53	17	33	7	7
	203	282	28	14	58	55	19	31	3	10
500	(200)	(285)	(29)	(14)	(65)	(54)	(18)	(32)	(5)	(9)
	424	407	33	17	53	57	22	28	4	3
	438	360	32	11	58	57	22	21	3	9
1000	(431)	(384)	(33)	(14)	(56)	(57)	(22)	(25)	(4)	(6)
	542*	411*	30*	14	55	43	7*	28	0*	4*
	538*	437*	34*	12	66	47	10*	20	0*	5*
2000	(540*)	(424*)	(32*)	(13)	(61)	(45)	(9*)	(24)	(0*)	(5*)
	0*	0*	0*	0*	0*	35	0*	0*	0*	0*
	0*	0*	0*	0*	0*	44	0*	0*	0*	0*
5000	(0*)	(0*)	(0*)	(0*)	(0*)	(40)	(0*)	(0*)	(0*)	(0*)
Judgement	+	+	-	-	-	-	-	-	-	-
Specific Mutagenicity	306	240								
Positive	AF2	2AA	NaN <sub>3</sub>	2AA	AF2	2AA	AF2	2AA	9AA	2AA
Control	(641)	(1135)	(305)	(341)	(637)	(1015)	(457)	(404)	(544)	(227)

Mutagenicity  
in Bacterial test: Positive

IARC Evaluation: not yet cited