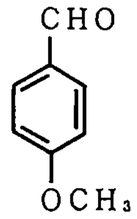
p-Anisaldehyde (アニスアルデヒド)

Chemical Name: p-Anisaldehyde
Synonym 4-Methoxybenzaldehyde
Molecular weight: 136.15
Melting point: 2.5℃
Boiling point: 247℃

Chemical Structure



CAS No: 123-11-5
MITI No: (3)-2661

Source of Substance:Tokyo Kasei Kogyo Co.Ltd
Lot.No.: AP02
Purity: Guaranteed reagent
Vehicle: DMSO

Mutagenicity
in Bacterial Test: Negative

IARC Evaluation: not yet cited

Experimental Data

Number of Revertants/plate

Con. μg/plate	Base-substitution						Frame-shift					
	TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(115)	( )	(22)	( )	(41)	( )	(25)	( )	(10)	( )	(16)	( )
	90		25		36		27		8		19	
	114		29		33		26		14		17	
10	(102)	( )	(27)	( )	(35)	( )	(27)	( )	(11)	( )	(18)	( )
	96		27		46		26		8		21	
	118		21		34		27		14		12	
20	(107)	( )	(24)	( )	(40)	( )	(27)	( )	(11)	( )	(17)	( )
	111		30		47		21		12		12	
	97		31		35		24		8		15	
50	(104)	( )	(31)	( )	(41)	( )	(23)	( )	(10)	( )	(14)	( )
	102		32		39		22		11		11	
	101		35		33		28		7		17	
100	(102)	( )	(34)	( )	(36)	( )	(25)	( )	(9)	( )	(14)	( )
	100		34		33		20		10		13	
	102		20		32		29		8		14	
200	(101)	( )	(27)	( )	(33)	( )	(25)	( )	(9)	( )	(14)	( )
	104		25		42		21		7		12	
	96		24		37		22		5		14	
500	(100)	( )	(25)	( )	(40)	( )	(22)	( )	(6)	( )	(13)	( )
	98		0*		39		20		0*		0*	
	95		0*		37		23		0*		0*	
1000	(97)	( )	(0*)	( )	(38)	( )	(22)	( )	(0*)	( )	(0*)	( )
	0*		0*		0*		0*		0*		0*	
	0*		0*		0*		0*		0*		0*	
2000	(0*)	( )	(0*)	( )	(0*)	( )	(0*)	( )	(0*)	( )	(0*)	( )
Judgement	—		—		—		—		—		—	
Specific Mutagenicity												
Positive Control	AF2 2AA 0.5		NaN_3 2AA		AF2 2AA		AF2 2AA		9AA 2AA		2NF 2AA	
	(475)	( )	(252)	( )	(239)	( )	(324)	( )	(506)	( )	(246)	( )

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+
DMSO	( )	(115)	( )	(22)	( )	(41)	( )	(32)	( )	(15)	( )	(24)
		109		25		29		29		11		24
		125		23		34		35		17		24
20	( )	(117)	( )	(24)	( )	(32)	( )	(32)	( )	(14)	( )	(24)
		103		19		32		25		14		35
		108		21		35		28		12		26
50	( )	(106)	( )	(20)	( )	(34)	( )	(27)	( )	(13)	( )	(31)
		101		17		26		31		18		20
		120		22		33		33		19		19
100	( )	(111)	( )	(20)	( )	(30)	( )	(32)	( )	(19)	( )	(20)
		111		18		33		29		18		23
		106		19		34		27		15		23
200	( )	(109)	( )	(19)	( )	(34)	( )	(28)	( )	(17)	( )	(23)
		128		20		42		24		16		24
		108		22		38		32		11		34
500	( )	(118)	( )	(21)	( )	(40)	( )	(28)	( )	(14)	( )	(29)
		112		19		31		44		12		27
		112		19		34		26		11		20
1000	( )	(112)	( )	(19)	( )	(33)	( )	(35)	( )	(12)	( )	(24)
		106		21		34		20		13		24
		103		15		42		25		14		26
2000	( )	(105)	( )	(18)	( )	(38)	( )	(23)	( )	(14)	( )	(25)
		0*		0*		0*		0*		0*		0*
		0*		0*		0*		0*		0*		0*
5000	( )	(0*)	( )	(0*)	( )	(0*)	( )	(0*)	( )	(0*)	( )	(0*)
Judgement		—		—		—		—		—		—
Specific Mutagenicity												
Positive Control	AF2	2AA 0.5	NaN_3	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	( )	(232)	( )	(163)	( )	(780)	( )	(259)	( )	(309)	( )	(132)