

Chemical Name : <u>Octadecanamide</u> Synonym : <u>Stearamide</u> <u>ステアリン酸アミド</u> Molecular Weight : 283.50 Melting Point : 109°C [CHCD] Boiling Point : 250-251°C(12mmHg)[Aldrich] Flashing Point : - Molecular Formula : C ₁₈ H ₃₇ NO Chemical Structure CH ₃ (CH ₂) ₁₆ CONH ₂ CAS No. : 124-26-5 MITI No. : (2)-824 ML No. : - Specified Chemical Substances ; - Source of Substance; Tokyo Kasei Kogyo Co., Ltd. Lot No. : FDV01 Purity : 91.5% Vehicle : Acetone	Conc. μ g/plate	Number of Revertants/plate									
		Base-substitution						Frame-shift			
		TA100		TA1535		WP2 _{uvrA} /pKM101		TA98		TA1537	
		S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
	Acetone	(129)	(129)	(9)	(14)	(47)	(66)	(17)	(27)	(6)	(13)
		138	162	9	9	38	56	11	32	7	9
		157	137	9	6	48	62	18	21	5	8
	1 .22	(148)	(150)	(9)	(8)	(43)	(59)	(15)	(27)	(6)	(9)
		164	148	9	9	46	63	21	33	11	7
		167	133	7	11	54	60	16	23	7	11
	4 .88	(166)	(141)	(8)	(10)	(50)	(62)	(19)	(28)	(9)	(9)
		142	179	11	8	44	69	22	31	6	10
		153	152	6	13	61	59	17	24	8	10
19 .5	(148)	(166)	(9)	(11)	(53)	(64)	(20)	(28)	(7)	(10)	
	153	160	16	8	54	70	29	24	9	15	
	117	146	10	14	41	79	23	30	8	14	
78 .1	(135)	(153)	(13)	(11)	(48)	(75)	(26)	(27)	(9)	(15)	
	106	125	7	5	52	66	11	14	9	9	
	124	106	9	10	58	65	14	14	9	6	
313 †	(115)	(116)	(8)	(8)	(55)	(66)	(13)	(14)	(9)	(8)	
	100	137	6	9	50	59	11	27	6 *	8	
	107	146	9	11	41	47	14	15	3 *	7	
1250 †	(104)	(142)	(8)	(10)	(46)	(53)	(13)	(21)	(5 *)	(8)	
	96	149	4 *	8	42	55	9	13 *	3 *	7	
	93	141	9 *	7	38	58	10	12 *	4 *	9	
5000 †	(95)	(145)	(7 *)	(8)	(40)	(57)	(10)	(13 *)	(4 *)	(8)	
Judgement	-	-	-	-	-	-	-	-	-	-	
Specific Mutagenicity											
Positive Control	AF-2 (686)	2-AA (1329)	NaN ₃ (428)	2-AA (322)	AF-2 (1130)	2-AA (1202)	AF-2 (561)	2-AA (426)	9-AA (682)	2-AA (189)	

* Growth inhibition was observed.

† Test chemical was precipitated with and without S9mix.

Experimental Data-2

(B9708-2/2)

Conc. μ g/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2 _{uvrA} /pKM101		TA98		TA1537	
Acetone	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
	(122)	(122)	(7)	(12)	(51)	(85)	(15)	(28)	(7)	(13)
39 .1									8 10 (9)	
78 .1	153 128 (141)		7 8 (8)		32 49 (41)		15 15 (15)		10 11 (11)	
156 †	111 116 (114)	131 117 (124)	12 4 (8)	8 10 (9)	47 58 (53)	77 69 (73)	15 11 (13)	20 21 (21)	4 6 (5)	7 10 (9)
313 †	101 105 (103)	143 104 (124)	7 7 (7)	9 12 (11)	56 50 (53)	78 75 (77)	11 16 (14)	23 17 (20)	9 8 (9)	8 8 (8)
625 †	114 100 (107)	118 137 (128)	9 5 (7)	6 8 (7)	45 55 (50)	74 53 (64)	16 21 (19)	22 20 (21)	5 * 3 * (4 *)	10 11 (11)
1250 †	96 95 (96)	120 152 (136)	9 6 (8)	13 6 (10)	47 59 (53)	81 66 (74)	14 10 (12)	15 19 (17)	7 * 3 * (5 *)	6 12 (9)
2500 †	93 91 (92)	115 112 (114)	6 * 3 * (5 *)	11 14 (13)	45 51 (48)	71 67 (69)	16 12 (14)	14 23 (19)	3 * 4 * (4 *)	10 6 (8)
5000 †	91 89 (90)	127 122 (125)	5 * 10 * (8 *)	7 16 (12)	41 55 (48)	62 59 (61)	9 11 (10)	29 * 21 * (25 *)		8 5 (7)
Judgement	—	—	—	—	—	—	—	—	—	—
Specific Mutagenicity										
Positive Control	AF-2 (538)	2-AA (1320)	NaN ₃ (457)	2-AA (356)	AF-2 (887)	2-AA (1116)	AF-2 (522)	2-AA (455)	9-AA (609)	2-AA (212)