

AMES ASSAY FOR MUTAGENICITY

COMPOUND Diethyl 3,3-Dimethyl-2-oxo-1,4-cyclopentanedicarboxylateSOURCE Lorillard - Organic Chemistry LORILLARD NO. A123 OR67-13DATE RECEIVED unknown TESTED 3/18/81-4/8/81 REPORTED 4/14/81INVESTIGATOR(S) H. S. Tong & A. A. Poole NOTEBOOK PAGE BC19-25SIGNATURE(S): H. S. Tong A. A. Poole

TOXICITY (% SURVIVAL)	50	80	100	SOLVENT: <input checked="" type="checkbox"/> DMSO: <input type="checkbox"/> WATER
CONCENTRATION (mg/ml)		.025		<input type="checkbox"/> OTHER

S. TYPHIMURIUM

CONTROL REVERTANTS PER PLATE (0.05 ml SOLVENT)	TA1535		TA100		TA98			
	(-)-S-9	(+)-S-9	(-)-S-9	(+)-S-9	(-)-S-9	(+)-S-9	(-)-S-9	(+)-S-9
9.67	14.00	118.00	127.00	9.00	21.00			

COMPOUND (ug/plate)

REVERSION RATE (TEST REVERTANTS-CONTROL REVERTANTS PER PLATE)

25		.76		.87		.65		
12.5	1.10	1.12	1.07	.82	.78	.71		
6.25		.52		.88		.86		

POSITIVE CONTROL (ug/plate)

2-AMINODANTHRAZENE

4.0	.72	3.07	.98	4.26	.22	20.10		
2.0	1.24	2.86	.76	3.63	.67	18.81		
Streptozotocin								
1.0	6.41	31.14	1.60	3.11				
0.5	2.28	12.29	1.08	1.99				

CONCLUSION This compound is judged non-mutagenic in this test system.Copies to the following: H. J. Minnemeyer
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