

AMES ASSAY FOR MUTAGENICITY

COMPOUND: 2,4-Dihydroxypyridine

SOURCE: Lorillard - Organic Chemistry LORILLARD NO.: OR61-2 LOT NO.: _____

DATE RECEIVED: 9/3/80 TESTED: 9/10/80-10/10/80 REPORTED: 10/10/80

INVESTIGATOR(S): H. S. Tong & A. A. Poole NOTEBOOK PAGE: BIO7-24

SIGNATURE(S): H. S. Tong A. A. Poole

TOXICITY (% SURVIVAL)

	50	80	100
<small>CONCENTRATION (mg/ml)</small>		.5	

SOLVENT: ☒ DMSO ☐ WATER

☐ OTHER _____

S. TYPHIMURUM

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
4.67	8.00	123.00	135.33	3.33	16.00		

COMPOUND (µg/plate)

REVERSION RATE (TEST REVERTANTS/CONTROL REVERTANTS PER PLATE)

500		.92		.88		.96	
250	1.00	.79	.97	.97	.90	.92	
125		.83		.92		.85	

POSITIVE CONTROL
(mg/plate)

2-AMINOANTHRACENE

4	1.20	8.63	1.39	7.26	1.80	27.69	
2	.86	4.75	1.24	6.07	.30	24.13	

CONCLUSION: This compound is judged non-mutagenic in this test system.

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