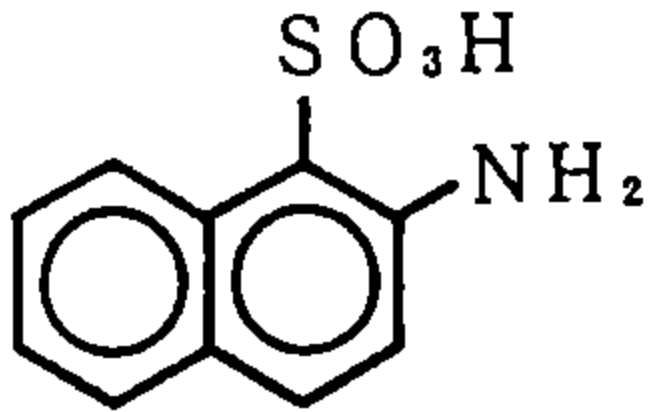


2-Amino-1-naphthalenesulfonic acid (トピラス酸)

Chemical Name:	Tobias acid
Synonym	2-Amino-1-naphthalenesulfonic acid 1-Naphthalenesulfonic acid, 2-amino-
Molecular weight:	223.25
Melting point:	180°C
Boiling point:	°C
Chemical Structure	
CAS No :	81-16-3
MITI No :	(4)-493
Source of Substance:	Tokyo Kasei Kogyo Co., Ltd.
Lot.No. :	AL02
Purity:	%
Vehicle:	1% CMC

Judgement for Chromosomal Aberration in CHL: Negative

IARC Evaluation : not yet cited

Experimental Data

	Treated Time (Hr)	Concentration (mg/ml)	No. of Meta-phase	Poly-ploid (%)	Judge	Cell with Structural Chromosome Aberration (%)						Judge	
						Gap	CTB	CTE	CSB	CSE	Total		
											-G		+G
CMC	24		200	0.5	—	0.5	0	0	0	0	0	0.5	—
	48		200	0	—	0	0	0	0	0	0	0	—
Test Chemical	24	0.5	200	0.5	—	0	0.5	0	0	0	0.5	0.5	—
		1.0	200	0.5	—	0	0	0	0	0	0	0	—
		2.0	200	1.5	—	0	0	0	0	0	0	0	—
		3.0	200	0	—	0.5	0	0.5	0	0	0.5	1.0	—
		4.0											
	48	0.5	200	0.5	—	0	0	0	0	0	0	0	—
		1.0	200	0	—	1.0	0	0	0	0	0	1.0	—
		2.0	200	0	—	0.5	0	0.5	0	0	0.5	1.0	—
		3.0	200	0	—	0	0.5	0	0	0	0.5	0.5	—
		4.0											
Positive Control (MMC)	24		200	0	—	1.5	7.5	28.0	0	0	32.0	32.5	+
	48		200	0	—	2.0	11.5	50.0	0	0.5	54.5	55.0	+

Experimental Data

S 9 with or without	Concent- ration (mg/ml)	No. of Meta- phase	Poly- ploid (%)	Judge	Cell with Structural Chromosome Aberration (%)							Judge	
					Gap	CTB	CTE	CSB	CSE	Total			
										-G	+G		
CMC	-	200	0.5	-	0.5	0	0.5	0	0	0.5	1.0	-	
	+	200	1.0	-	0	0	0.5	0	0	0.5	0.5	-	
Test Chemical													
-	0.5	200	1.5	-	0.5	0	0	0	0	0	0.5	-	
	1.0	200	0.5	-	1.5	1.0	0.5	0	0	1.5	2.0	-	
	2.0	200	0	-	0	0	0	0	0.5	0.5	0.5	-	
	3.0	200	1.5	-	0.5	0.5	1.0	0	0	1.5	2.0	-	
	4.0	200	2.0	-	0	0	0.5	0	0	0.5	0.5	-	
	+	0.5	200	0.5	-	0	0	1.0	0	0	1.0	1.0	-
		1.0	200	1.0	-	0	0.5	1.0	0	0	1.5	1.5	-
		2.0	200	0.5	-	0	0	0.5	0	0	0.5	0.5	-
		3.0	200	0	-	1.5	0	1.0	0	0	1.0	2.5	-
		4.0	134	0	-	0	0	3.0	0	0	3.0	3.0	-
Positive Control													
(B(a)P)	-	200	0	-	0	0	0	0	0	0	0	-	
	+	200	0	-	6.0	8.5	46.5	0	0	49.5	49.5	+	