

In vitro Mammalian chromosome aberration test (OECD TG473)

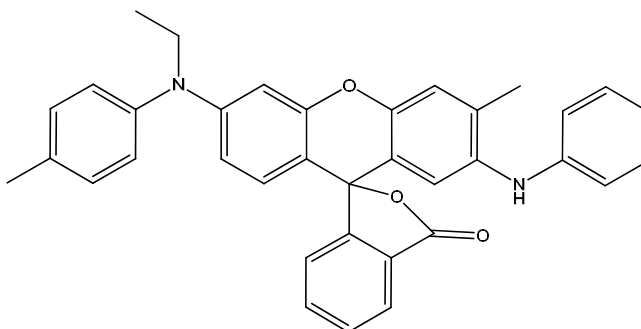
- Data Sheet -

Japan Bioassay Research Center
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The data sheet was reviewed and created by Hazard-Data Evaluation Committee of National Institute of Technology and Evaluation in fiscal year 2011 based on the study report obtained by Ministry of Economy, Trade and Industry.

Test substance

MITI No. : 5-3629
CAS No. : 59129-79-2
Chemical name : 2'-Anilino-6'-[N-ethyl-N-(4-tolyl)amino]-3'-methylspiro
[isobenzofuran-1(3H), 9'-[9H]xanthen]-3-one
Synonym : ETAC
Molecular weight : 539
Molecular formula : $C_{36}H_{30}N_2O_3$
Structural formula :



Appearance : Slightly colored powder
Solubility : Insoluble in water
Purity : 99.0%

Experimental Method

Cells : Chinese hamster lung (CHL/IU) cells
Vehicle : Incubation medium (suspended)
Dosage : -S9mix (short-term treatment) 1.4 - 5.4 mg/mL
+S9mix (short-term treatment) 1.4 - 5.4 mg/mL
-S9mix(continuous treatment, 24h) 0.34 - 5.4 mg/mL
-S9mix (continuous treatment, 48h) 0.17 - 2.7 mg/mL
Evaluation Criteria : Incidence of cells with chromosome aberration;
<5%; negative
5% ; < 10%; equivocal
10% ; positive

Result

Negative

Note