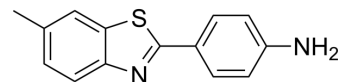


Dehydrothio-p-toluidine

Cat. No.:	HY-W040269
CAS No.:	92-36-4
Molecular Formula:	C ₁₄ H ₁₂ N ₂ S
Molecular Weight:	240.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	Dehydrothio-p-toluidine (DHPT) is a chemical intermediate used in dyestuff production. Dehydrothio-p-toluidine shows inhalation toxicity in acute and subchronic conditions ^[1] .
In Vivo	<p>Dehydrothio-p-toluidine (4 h) induces salivation, pawing and chewing motions, lachrymation, sporadic fasciculations, rapid respiration and slight weight loss of mice under an average of 0.64 mg DHPT/L condition^[1].</p> <p>Dehydrothio-p-toluidine (4 h) induces sporadic nasal discharge and lethargy of mice under an average of 2.41 mg DHPT/L condition^[1].</p> <p>Dehydrothio-p-toluidine (6 h/day on 5 days followed by two rest days and then by five additional days of exposures; 0.6 mg DHPT/L) decreases the erythrocyte count, haemoglobin level and relative number of lymphocytes than in the controls, excretes a larger volume of less-concentrated urine, produces liver changes characterized by hepatocyte hyper trophy and proliferation of bile-duct epithelial cells and induces thymic necrosis and depletion of lymphocytes after the tenth exposure^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Kennedy GL Jr, et al. Inhalation toxicity of dehydrothio-p-toluidine. Food Chem Toxicol. 1984 Apr;22(4):289-92.

Caution: Product has not been fully validated for medical applications. For research use only.

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