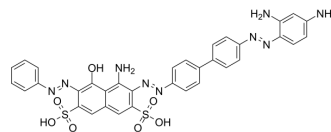


Direct Black 38 free acid

Cat. No.:	HY-D0256A
CAS No.:	22244-14-0
Molecular Formula:	C ₃₄ H ₂₇ N ₉ O ₇ S ₂
Molecular Weight:	737.76
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Direct Black 38 free acid is an azo dye. Direct Black 38 induces unscheduled DNA synthesis in liver and micronucleus in bone marrow of rats in vivo^[1].

REFERENCES

[1]. Beije B. Induction of unscheduled DNA synthesis in liver and micronucleus in bone marrow of rats exposed in vivo to the benzidine-derived azo dye, Direct Black 38. *Mutat Res.* 1987 Apr;187(4):227-34.

[2]. Byrne SL, et al. Ferritin II promotes degradation of transferrin receptor-1 in vitro and in vivo. *PLoS One.* 2013 Jul 23;8(7):e70199.

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

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