



IARC MONOGRAPHS



**GENTIAN VIOLET,
LEUCOGENTIAN VIOLET,
MALACHITE GREEN,
LEUCOMALACHITE GREEN,
AND CI DIRECT BLUE 218**

VOLUME 129

This publication represents the views and expert opinions of an IARC Working Group on the Identification of Carcinogenic Hazards to Humans, which met remotely, 22 February to 5 March 2021

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ON THE IDENTIFICATION
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ANNEX 1. SUPPLEMENTARY MATERIAL FOR SECTION 4, MECHANISTIC EVIDENCE

Of the compounds included in *IARC Monographs* Volume 129, four (gentian violet, malachite green chloride, malachite green oxalate, and leucomalachite green) have been evaluated in at least some of the high-throughput screening assays performed by the United States Environmental Protection Agency and the United States National Institutes of Health (US EPA, 2020a, b, c, d).

Details of the specific assays and end-points available for each chemical and the mapping to the key characteristics of carcinogens are available in the file available at: <https://www.publications.iarc.fr/603>.

Please report any errors to imo@iarc.fr.

References

- US EPA (2020a). ToxCast/Tox21 for gentian violet. DSSTox Substance. Distributed Structure-Searchable Toxicity (DSSTox) database. United States Environmental Protection Agency. Available from: <https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID5020653#invitrodb-bioassays-toxcast-tox21>.
- US EPA (2020b). ToxCast/Tox21 for malachite green. DSSTox Substance. Distributed Structure-Searchable Toxicity (DSSTox) database. United States Environmental Protection Agency. Available from: <https://comptox.epa.gov/dashboard/dsstoxdb/results?search=569-64-2#invitrodb-bioassays-toxcast-tox21>.
- US EPA (2020c). ToxCast/Tox21 for malachite green oxalate. DSSTox Substance. Distributed Structure-Searchable Toxicity (DSSTox) database. United States Environmental Protection Agency. Available from: <https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID6025513#invitrodb-bioassays-toxcast-tox21>.
- US EPA (2020d). ToxCast/Tox21 for leucomalachite green. DSSTox Substance. Distributed Structure-Searchable Toxicity (DSSTox) database. United States Environmental Protection Agency. Available from: <https://comptox.epa.gov/dashboard/dsstoxdb/results?search=DTXSID7031531#invitrodb-bioassays-toxcast-tox21>.