

Carmine

Cat. No.:	HY-N1389
CAS No.:	1390-65-4
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Carmine

BIOLOGICAL ACTIVITY

Description	Carmine (Carmine red), a "semi-synthetic" dye, is a complex of aluminum and the natural dye Cochineal (Carminic acid). Cochineal is isolated from the native Mexican and South American insect. Carmine is a widely used food additive. Carmine provokes both an immediate hypersensitivity and a delayed systemic response with cutaneous expression ^{[1][2]} .
In Vitro	Carmine has been used in biological staining to demonstrate selectively nuclei, chromosomes or mucins, depending on the formulation ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Chandler W Rundle, et al. Contact Dermatitis to Carmine. *Dermatitis*. Sep/Oct 2018;29(5):244-249.

[2]. R W Dapson, et al. The history, chemistry and modes of action of carmine and related dyes. *Biotech Histochem*. 2007 Aug;82(4-5):173-87.

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

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