

Iodoform: CHI_3

A Historical Polyhalogen Compound

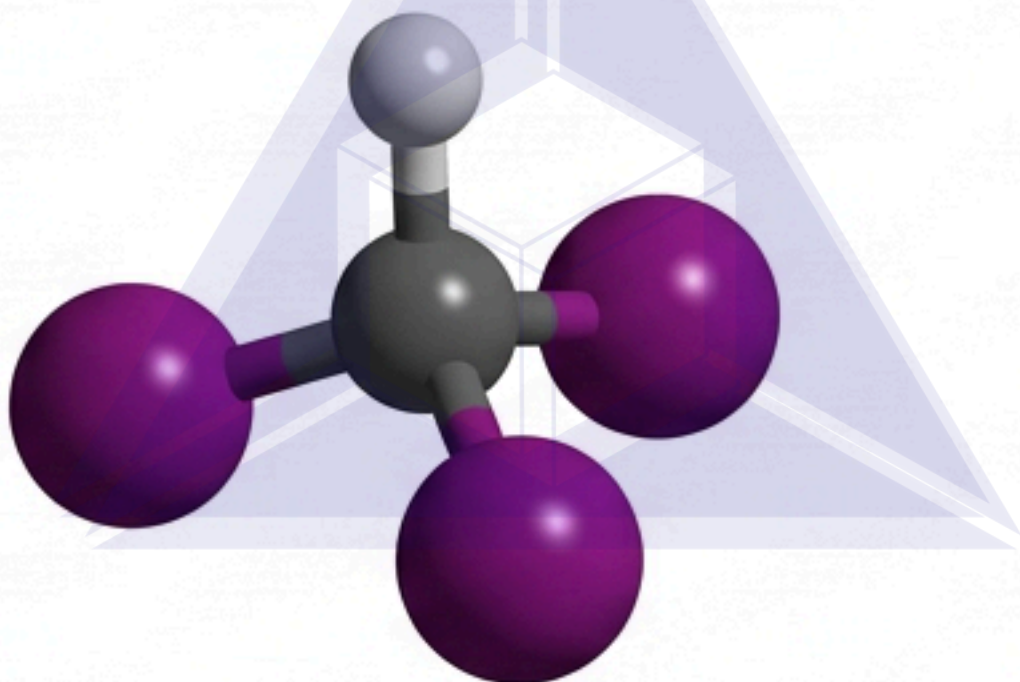


Chemical Identity and Structure



MOLECULAR STRUCTURE

Structural Anatomy



OBSERVABLE TRAITS

Physical Properties

IUPAC Name

Triiodomethane

Classification

Polyhalogen compound

Physical State

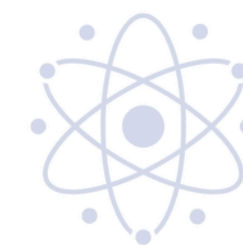
Yellow solid ●





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$$E=mc^2$$



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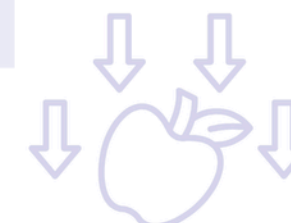
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Historical Clinical Application

HISTORICAL APPLICATION



Primary Use

Widespread historical deployment as a topical antiseptic for wound care.



Clinical Era

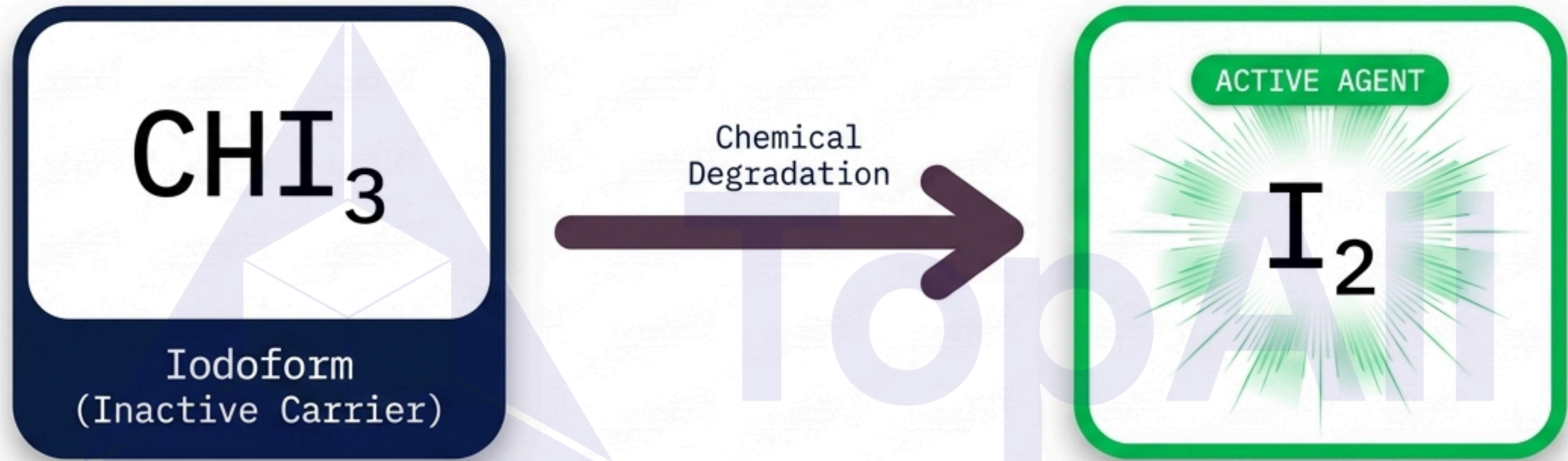
Heavily utilized in early hospital sterilization protocols before the advent of modern alternatives.



Classification Context

Part of a broader class of clinically useful halogen-containing organic compounds.

Antiseptic Action is Driven by Free Iodine



Iodoform itself possesses no inherent antiseptic properties. It acts merely as a chemical reservoir that slowly liberates free iodine, which is the true agent responsible for destroying microbes.

The Shift to Modern Iodine Formulations

PHASED OUT



The Fall of Iodoform

Iodoform possesses a highly **objectionable and persistent smell**, making it unsuitable for continued clinical use despite its efficacy.

CURRENT PROTOCOL



The Modern Standard

Replaced entirely by **other formulations** containing iodine that deliver the same **free iodine (I_2) release mechanism** but **without the offensive odor**.



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