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p-Iodonitrotetrazolium Violet,

(2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyltetrazolium chloride), $C_{19}H_{13}ClIN_5O_2$ 505.70—Light yellow powder.

- **Assay:** When tested by thin-layer chromatography, with the use of plates coated with chromatographic silica gel mixture and a developing system consisting of a mixture of amyl alcohol, formic acid, and water (8:1:1), sprayed with 0.1% sodium thiosulfate solution, and examined under short-wavelength UV light, a single spot is exhibited, with trace impurities.
- **MELTING POINT (741):** 240°, with decomposition.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
P-IODONITROTETRAZOLIUM VIOLET	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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