Creative Enzymes®

Iodonitrotetrazolium chloride

Cat. No. CSUB-0614

Lot. No. (See product label)

Introduction

Applications	Electron acceptor for the colorimetric assay of various dehydrogenaseslodonitrotetrazolium (INT) is a tetrazolium dye precursor that forms a purple formazan dye on reduction and has been used in a variety of applications. It is considered to have higher reactivity than some tetrazolium compounds, at least with respect to succinate dehydrogenase, with optimal results obtained using a concentration of 0.8 mM INT. INT is used as an electron acceptor for the colorimetric assays of: lactate dehydrogenase, xanthine dehydrogenase, lactyl-CoA dehydrogenase, succinate dehydrogenase, BBM II ketolisomerase, histidinol dehydrogenase and diverse other hydrolases.
Synonyms	2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-phenyl-2H-tetrazolium chloride; p-Iodonitrotetrazolium Violet; INT

Product Information

EC Number	205-676-2
CAS No.	146-68-9
Molecular Formula	C19H13ClIN5O2
Molecular Weight	505.70
Solubility	methanol: water (1:1): soluble 50 mg/mL, very faintly turbid, very deep yellow (hot)
mp	240 °C (dec.)(lit.)
Substrates	Xanthine dehydrogenase