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# DATASHEET

## p-Nitroblue Tetrazolium Chloride

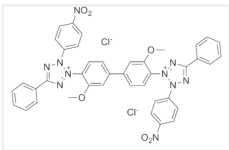
### Product overview

<b>Name</b>	p-Nitroblue Tetrazolium Chloride
<b>Cat No</b>	HB0526
<b>Biological description</b>	Immunological stain, often used in combination with 5-Bromo-4-Chloro-3-Indolyl Phosphate (BCIP) to detect alkaline phosphatase. Produces insoluble purple-blue coloured end product and shows near infrared fluorescence.
<b>Biological action</b>	Dyes & stains
<b>Purity</b>	>98%
<b>Description</b>	Immunological stain

### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in methanol (50 mg/ml) or water (10mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	2,2'-bis(4-Nitrophenyl)-5,5'-diphenyl-3,3'-(3,3'-dimethoxy-4,4'-diphenylene)ditetrazolium chloride
<b>Molecular Weight</b>	817.6
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>40</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>10</sub> O <sub>6</sub>
<b>CAS Number</b>	298-83-9
<b>PubChem identifier</b>	9281
<b>SMILES</b>	<chem>COC1=C(C=CC(=C1)C2=CC(=C(C=C2)[N+]3=NC(=NN3C4=CC=C(C=C4)[N+](=O)[O-])C5=CC=CC=C5)OC)[N+]6=NC(=NN6C7=CC=C(C=C7)[N+](=O)[O-])C8=CC=CC=C8.[Cl-].[Cl-]</chem>
<b>InChiKey</b>	FSVCQIDHPKZJSO-UHFFFAOYSA-L
<b>MDL number</b>	MFCD00012159
<b>Appearance</b>	Yellow solid