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DATASHEET

p-Nitroblue Tetrazolium Chloride

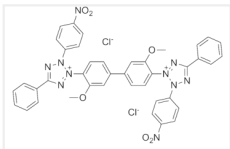
Product overview

Name	p-Nitroblue Tetrazolium Chloride
Cat No	HB0526
Biological description	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.
Biological action	Dyes & stains
Purity	>98%
Description	Immunological stain

Solubility & Handling

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

Chemical Data

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