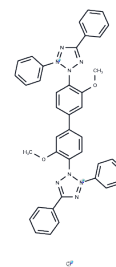


Blue Tetrazolium

Chemical Properties

CAS No. :	1871-22-3
Formula:	C ₄₀ H ₃₂ Cl ₂ N ₈ O ₂
Molecular Weight:	727.64
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Blue Tetrazolium (Tetrazolium blue), a dye used in microbial research, can be reduced to blue tetrazolium formazan (BTF). It determines succinate dehydrogenase (SDH) activity in yeast strains as a reduced substrate. Extract BTF using DMSO and test its absorption spectrum. BTF exhibits a wavelength range of 480-600 nm with maximal absorbance at 540 nm [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3743 mL	6.8715 mL	13.7431 mL
5 mM	0.2749 mL	1.3743 mL	2.7486 mL
10 mM	0.1374 mL	0.6872 mL	1.3743 mL
50 mM	0.0275 mL	0.1374 mL	0.2749 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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