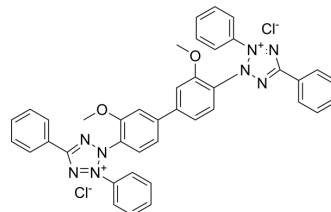


Blue Tetrazolium

Cat. No.:	HY-D0007
CAS No.:	1871-22-3
Molecular Formula:	C ₄₀ H ₃₂ Cl ₂ N ₈ O ₂
Molecular Weight:	727.64
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Blue Tetrazolium (Tetrazolium blue), as a blue dye for microbial research, can be reduced into blue tetrazolium formazan (BTF). Blue Tetrazolium can be used to determine the activity of succinate dehydrogenase (SDH) in yeast strains, which has been reduced as a substrate. Use DMSO to extract BTF from cells, and test absorption spectrum of BTF. The BTF shows a wide wavelength range of 480-600 nm with maximal absorbance seen at 540 nm. Blue Tetrazolium, combines with succinate dehydrogenase (SDH)^[1].

REFERENCES

[1]. Kregiel D, et al. Succinate dehydrogenase activity assay in situ with blue tetrazolium salt in crabtree-positive *Saccharomyces cerevisiae* strain[J]. Food Technology and Biotechnology, 2008, 46(4): 376-380.

Caution: Product has not been fully validated for medical applications. For research use only.

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