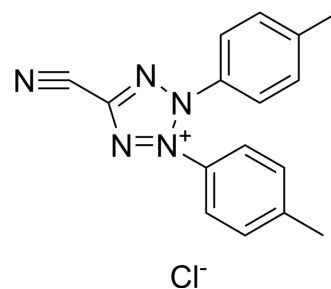


## 5-Cyano-2,3-di-(p-tolyl)tetrazolium chloride

Cat. No.:	HY-D0016
CAS No.:	90217-02-0
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> ClN <sub>5</sub>
Molecular Weight:	311.77
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

5-Cyano-2,3-di-(p-tolyl)tetrazolium chloride (CTC) is a redox-sensitive red fluorescent dye. 5-Cyano-2,3-di-(p-tolyl)tetrazolium chloride can be used for detecting metabolic activity in microorganisms. The emission maximum of 5-Cyano-2,3-di-(p-tolyl)tetrazolium chloride is 602 nm<sup>[1]</sup>.

### REFERENCES

[1]. Rodriguez GG, et al. Use of a fluorescent redox probe for direct visualization of actively respiring bacteria. Appl Environ Microbiol. 1992 Jun;58(6):1801-8. doi: 10.1128/aem.58.6.1801-1808.1992.

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

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