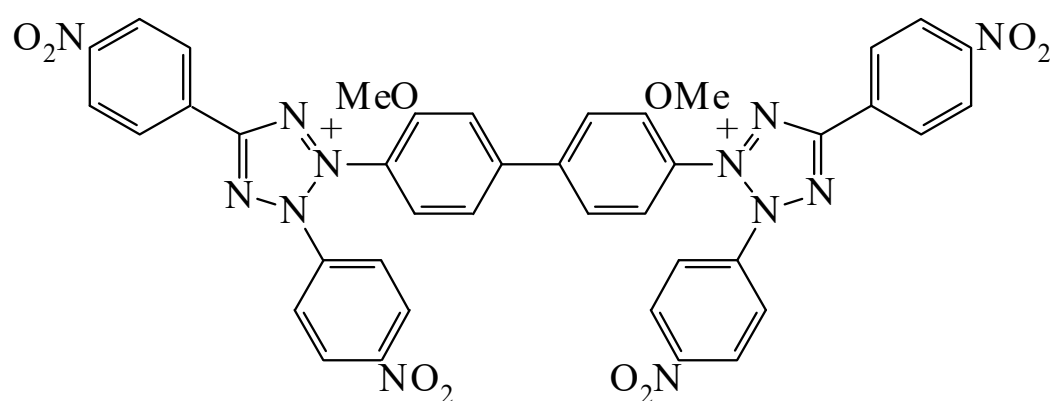




>>Entry Name: 3,3'-(3,3'-Dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis[2,5-bis(4-nitrophenyl)-2H-tetrazolium](2+) 9Cl



Molecular Formula: $C_{40}H_{28}N_{12}O_{10}^{2(+)}$

Molecular Weight: 836.736

Accurate Mass: 836.205138

Percentage Composition: C 57.42%; H 3.37%; N 20.09%; O 19.12%

>>Derivative: Dichloride

CAS Registry Number: 1184-43-6

Type of Compound Code(s): PS8300 PS8000

Molecular Formula: $C_{40}H_{28}Cl_2N_{12}O_{10}$

Molecular Weight: 907.641

Accurate Mass: 906.142842

Percentage Composition: C 52.93%; H 3.11%; Cl 7.81%; N 18.52%; O 17.63%

Use/Importance: Used as 1% aq. soln. for photometric detn. of various dehydrogenases; redox indicator

Physical Description: Pale yellow cryst. (MeOH)

Melting Point: Mp 159°

Other Data: E^o -0.05V

Fluka: 87961

References:

Wagner, H. *et al.*, *Z. Med. Labortech.*, 1976, **16**, 94; *CA*, **85**, 118989n, (*indicator*)

Cheng, K.L. *et al.*, *Handbook of Organic Analytical Reagents*, CRC Press, Boca Raton, 1983