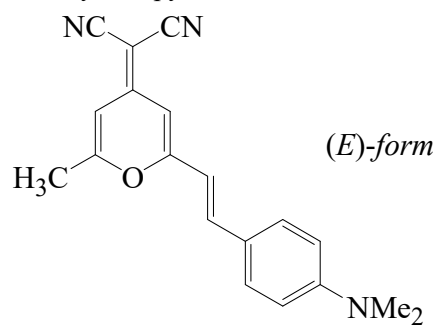




>>Entry Name: [2-[2-[4-(Dimethylamino)phenyl]ethenyl]-6-methyl-4*H*-pyran-4-ylidene]propanedinitrile, 9Cl

Synonym(s): 4-(Dicyanomethylene)-6-(4-dimethylaminostyryl)-2-methyl-4*H*-pyran. DCM



CAS Registry Number: 51325-91-8

Extra CAS Registry Numbers(s): 96042-30-7 96042-31-8

Molecular Formula: C₁₉H₁₇N₃O

Molecular Weight: 303.363

Accurate Mass: 303.137162

Percentage Composition: C 75.23%; H 5.65%; N 13.85%; O 5.27%

Use/Importance: Efficient laser dye in the 630-680 nm region

Physical Description: Cryst. (CH₂Cl₂)

Melting Point: Mp 215-220°

References:

Hammond, P.R., *Opt. Commun.*, 1979, **29**, 331-333, (*synth, props*)

Meyer, M. *et al.*, *J. Phys., Colloq. C*, 1987, 541-544, (*props*)

Bourson, J. *et al.*, *J. Phys. Chem.*, 1989, **93**, 3871-3876, (*synth, uv*)