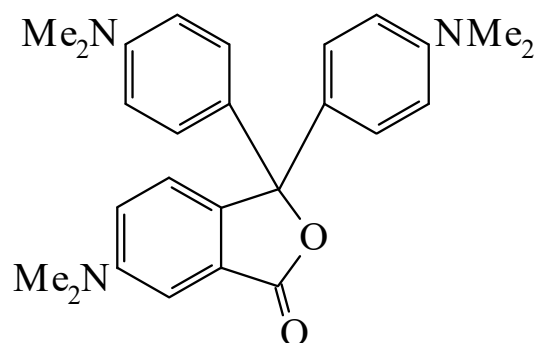




>>Entry Name: Crystal violet lactone

Synonym(s): 6-(Dimethylamino)-3,3-bis[4-(dimethylamino)phenyl]-1(3H)-isobenzofuranone, 9Cl



CAS Registry Number: 1552-42-7

Molecular Formula: C₂₆H₂₉N₃O₂

Molecular Weight: 415.534

Accurate Mass: 415.225977

Percentage Composition: C 75.15%; H 7.03%; N 10.11%; O 7.70%

Use/Importance: Photographic/reprographic dye

Physical Description: Blue-green cryst. (CHCl₃/MeOH)

Melting Point: Mp 162-163°

Aldrich: 33248-8

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1309C, (*nmr*)

Ger. Pat., 1980, 2 835 450; *CA*, **93**, 27735a, (*manuf*)

Theocharis, C.R. *et al.*, *J. Crystallogr. Spectrosc. Res.*, 1984, **14**, 121, (*cryst struct*)

U.S. Pat., 1984, 4 455 435; *CA*, **101**, 92793r, (*synth*)

Chunaev, Yu.M., *Zh. Org. Khim.*, (*Engl. Transl.* p. 2012), 1986, **22**, 2240, (*synth, struct*)