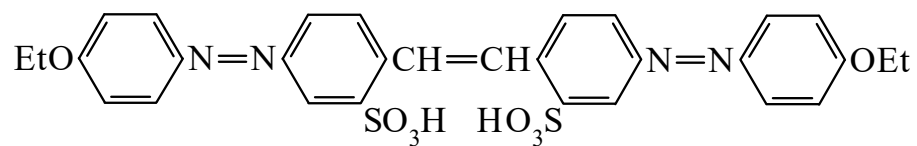




>>Entry Name: Chrysophenine G

Synonym(s): 2,2'-(1,2-Ethenediyl)bis[5-[(4-ethoxyphenyl)azo]benzenesulfonic acid], 9Cl. 4',4'-Bis(4-ethoxyphenylazo)stilbene-2,2'-disulfonic acid. Direct yellow 12



Molecular Formula: $C_{30}H_{28}N_4O_8S_2$

Molecular Weight: 636.705

Accurate Mass: 636.134856

Percentage Composition: C 56.59%; H 4.43%; N 8.80%; O 20.10%; S 10.07%

>>Derivative: Di-Na salt

Synonym(s): C.I. 24895

CAS Registry Number: 2870-32-8

Use/Importance: Used as an aq. soln. for photometric detn. of Pd

Physical Description: Cryst. powder

Solubility: Sol. H_2O , EtOH

Aldrich: 20190-1

Sigma: C3393

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 980C, (*ir*)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 213

Croitoru, V. *et al.*, *An. Univ. Bucuresti, Chim.*, 1967, **16**, 9; *CA*, **71**, 18562k, (*detn, Pd*)