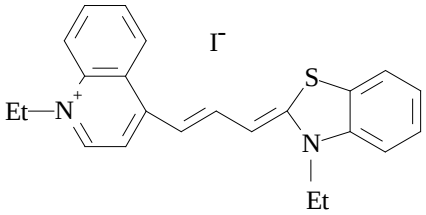
2150 Bixby Road
Lockbourne, OH 43137
Tel: 614.492.5610
E-mail: info.exciton@luxotticaretail.com
www.exciton.luxottica.com

DQTCI

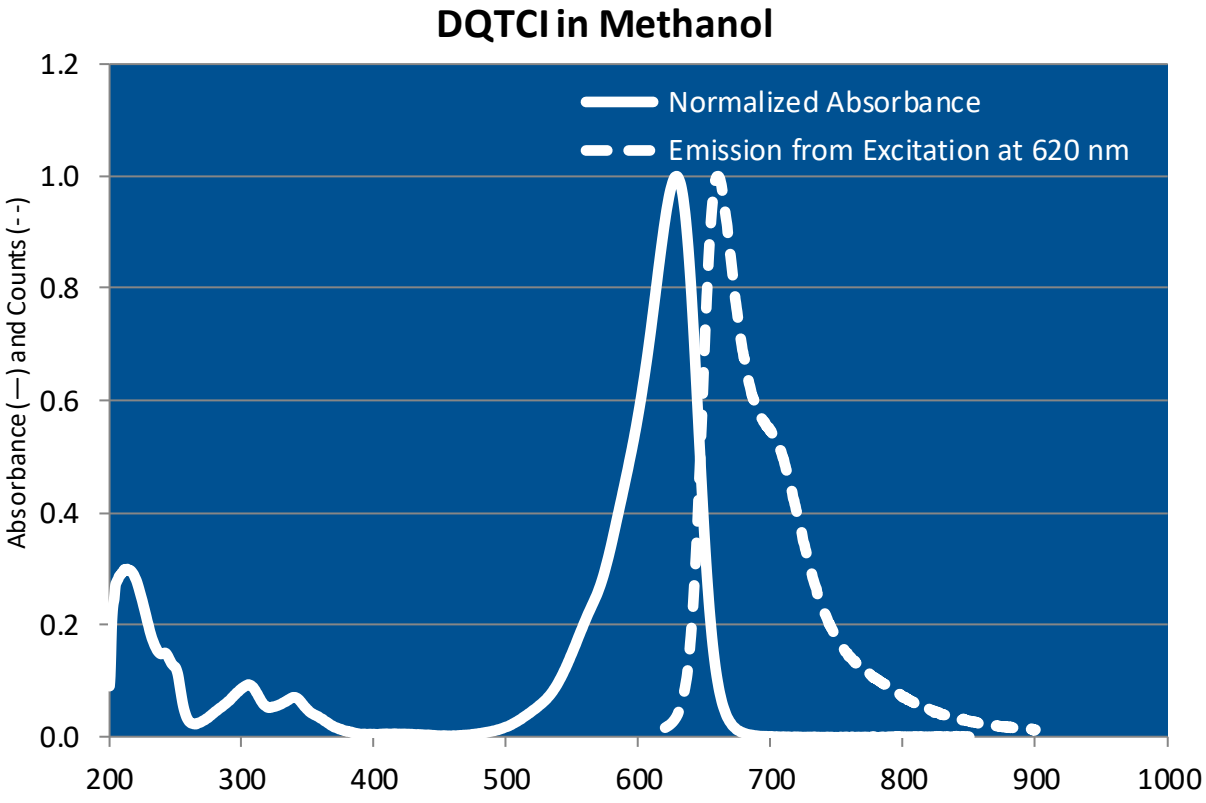
Catalog No.: 06220
CAS No.: 2642-25-3
Chemical Formula: $C_{23}H_{23}N_2S.I$
Structure:



Appearance: Dark green crystalline needles
Color in MeOH: Probably bluish green in solution
MW: 484.41
λabs: 629 (ethanol)
Solubility: Methanol – yes (exact solubility not determined)
Ethylene glycol – yes (exact solubility not determined)

Source for IR laser: Excited state lifetime 53ps (ethanol) reference 74 (below), thus, probably not a good laser dye!

Use: Mainly as a saturable absorber for Rhodamine 610, Rhodamine 640 and Sulforhodamine 640



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REFERENCES (from our Saturable Absorbers):

74. Substituent and Environmental Effects on the Picosecond Lifetimes of the Polymethine Cyanine Dyes, W. Sibbett, J.R. Taylor and D. Welford, *IEEE J. Quantum Electron*., QE-17(4), 500 (1981)