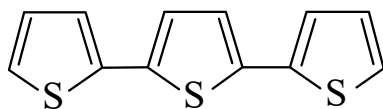




>>Entry Name: 2,2':5',2''-Terthiophene, 9Cl

Synonym(s): α -Terthienyl



CAS Registry Number: 1081-34-1

Molecular Formula: C₁₂H₈S₃

Molecular Weight: 248.393

Accurate Mass: 247.97881

Percentage Composition: C 58.03%; H 3.25%; S 38.73%

Biological Source: Isol. from numerous plants incl. *Berkheya* spp., *Dyssodia* spp., *Echinops* spp., *Flaveria* spp., *Porophyllum* spp. and *Tagetes* spp.

Use/Importance: Shows photoenhanced activity against various organisms, e.g. nematodes. Phytotoxic agent acting by generation of singlet oxygen. Possesses insecticidal and nematocidal props.

Physical Description: Yellow cryst. (C₆H₆), yellow prisms or plates (MeOH), cryst. (EtOH aq.)

Melting Point: Mp 92-93° (95-95.5°)

Calculated Log P Data: Log P 5.72 (calc)

Other Data: $\lambda_{\max}$ 251 and 350 nm

Aldrich: 31107-3

Fluka: 86496

Sigma: T5406

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