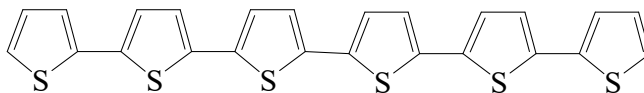




>>Entry Name: 2,2':5',2'':5'',2''':5''',2''':5''',2''':5'''-Sexithiophene

Synonym(s): α -Sexithienyl



CAS Registry Number: 88493-55-4

Molecular Formula: $C_{24}H_{14}S_6$

Molecular Weight: 494.771

Accurate Mass: 493.94197

Percentage Composition: C 58.26%; H 2.85%; S 38.89%

Use/Importance: Semiconductor for thin-film transistors

Physical Description: Red solid by subl.

Melting Point: Mp 304-305°

References:

Kagan, J. *et al.*, *Heterocycles*, 1983, **20**, 1937-1940, (*synth*)

Nakayama, J. *et al.*, *Heterocycles*, 1987, **26**, 1793-1796, (*synth*, *uv*)

Martinez, F. *et al.*, *Mol. Cryst. Liq. Cryst.*, 1989, **167**, 227-232, (*synth*, *ir*, *uv*, *cmr*)

Pham, C.V. *et al.*, *Phosphorus, Sulfur, Silicon, Relat. Elem.*, 1989, **46**, 153-168, (*synth*)