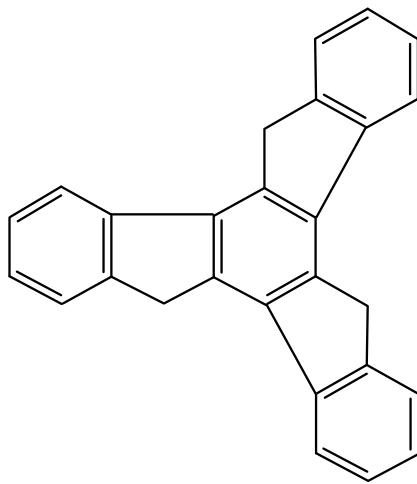




>>Entry Name: Truxene

Synonym(s): 10,15-Dihydro-5*H*-diindeno[1,2-*a*:1',2'-*c*]fluorene, 9Cl. 10,15-Dihydro-5*H*-benzo[1,2-*a*:3,4-*a'*:5,6-*a''*]triindene. Tribenzylenebenzene. Triindeno[2,3:2',3':2'',3'']benzene



CAS Registry Number: 548-35-6

Molecular Formula: C₂₇H₁₈

Molecular Weight: 342.439

Accurate Mass: 342.14085

Percentage Composition: C 94.70%; H 5.30%

Source/Synthesis: Cyclic condensation trimer of 1-Indanone [BLG15-T](#)

Physical Description: Cryst. (PhCl or cymene)

Melting Point: Mp 369-370°. Mp 391°

Other Data: Light-green fluor. under uv

Rare Chemicals Library: S44270-4

References:

Stobbe, H. *et al.*, *Ber.*, 1927, **60**, 457

Seka, R. *et al.*, *Ber.*, 1942, **75**, 1730

Huisgen, R. *et al.*, *Annalen*, 1961, **641**, 51

Metz, G., *Synthesis*, 1972, 614

Hartke, K. *et al.*, *Annalen*, 1984, 552, (*synth, ir, pmr, ms*)

Dehmlow, E.V. *et al.*, *Synth. Commun.*, 1997, **27**, 2021-2031, (*synth, ir, ms*)