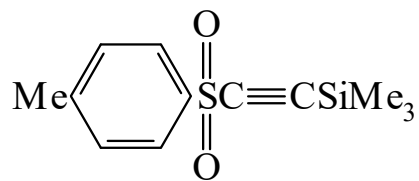




>>Entry Name: Trimethyl[[(4-methylphenyl)sulfonyl]ethynyl]silane

Synonym(s): *p*-Tolyl 2-(trimethylsilyl)ethynyl sulfone



CAS Registry Number: 34452-56-7

Molecular Formula: C₁₂H₁₆O₂SSi

Molecular Weight: 252.409

Accurate Mass: 252.064027

Percentage Composition: C 57.10%; H 6.39%; O 12.68%; S 12.70%; Si 11.13%

Source/Synthesis: Synth. from 4-MeC₆H₄SO₂Cl + Me₃SiC≡CSiMe₃ with AlCl₃/CH₂Cl₂

Use/Importance: Versatile synthon; precursor to arylsulfonyl acetylenes

Physical Description: White cryst. (petrol)

Melting Point: Mp 81-82°

Other Data: Ir ν 2124, 1338, 1164, 854, 779 cm⁻¹ (KBr)

Aldrich: 42334-3

Fluka: 90135

References:

Org. Synth., 1989, **67**, 149, (*synth, use, pmr, ir*)