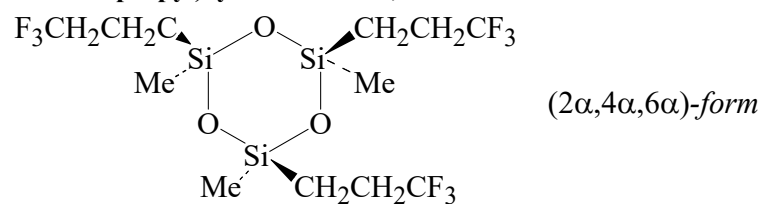




>>Entry Name: 2,4,6-Trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane, 9CI



CAS Registry Number: 2374-14-3

Molecular Formula: C₁₂H₂₁F₉O₃Si₃

Molecular Weight: 468.538

Accurate Mass: 468.065478

Percentage Composition: C 30.76%; H 4.52%; F 36.49%; O 10.24%; Si 17.98%

Source/Synthesis: Synth. by hydrol. of F₃C(CH₂)₂SiMeCl₂

>>Variant: (2 α ,4 α ,6 α)-form

Synonym(s): *cis*-form

CAS Registry Number: 2810-63-1

Molecular Formula: C₁₂H₂₁F₉O₃Si₃

Molecular Weight: 468.538

Accurate Mass: 468.065478

Percentage Composition: C 30.76%; H 4.52%; F 36.49%; O 10.24%; Si 17.98%

Melting Point: Mp –15.5°

Boiling Point: Bp₇₅₉ 239°

>>Variant: (2 α ,4 α ,6 β)-form

Synonym(s): *trans*-form

CAS Registry Number: 2810-62-0

Molecular Formula: C₁₂H₂₁F₉O₃Si₃

Molecular Weight: 468.538

Accurate Mass: 468.065478

Percentage Composition: C 30.76%; H 4.52%; F 36.49%; O 10.24%; Si 17.98%

Melting Point: Mp 35.2°

Boiling Point: Bp₇₅₉ 243°

References:

Tarrant, P. *et al.*, *J.A.C.S.*, 1957, **79**, 6536-6540, (*synth*)

Klebanskii, A.L. *et al.*, *Zh. Obshch. Khim.*, 1962, **32**, 323-324; *CA*, **57**, 13789i, (*synth*)

Burshstein, L.L. *et al.*, *Zh. Obshch. Khim.*, 1963, **33**, 2789-2790; *CA*, **59**, 15304g, (*isomerism*)

Sun, S. *et al.*, *Huaxue Xuebao*, 1982, **40**, 571-572; *CA*, **98**, 72198s, (*synth*)

Belakova, N.R. *et al.*, *Zh. Obshch. Khim.*, 1990, **60**, 2287-2291; *CA*, **115**, 49963y, (*pmr*)