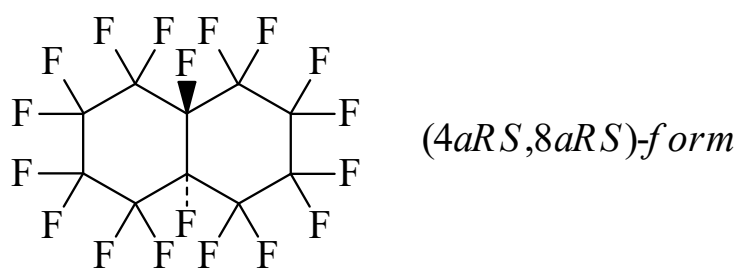




>>Entry Name: Octadecafluorodecahydronaphthalene, 8CI

Synonym(s): Perfluorodecalin. **Perflunafene**, BAN, INN. Flutec PP6. FDC. Flutec PP7



CAS Registry Number: 306-94-5

Molecular Formula: C₁₀F₁₈

Molecular Weight: 462.081

Accurate Mass: 461.971254

Percentage Composition: C 25.99%; F 74.01%

Use/Importance: Calibration standard for ms

Biological Use/Importance: Blood substitute, performs oxygen-carrying function of red blood cells

Other Data: Component of Fluosol DA

Aldrich: P990-0

Fluka: 77264

>>Variant: (4aRS,8aRS)-form

Synonym(s): *trans*-form

CAS Registry Number: 60433-12-7

Molecular Formula: C₁₀F₁₈

Molecular Weight: 462.081

Accurate Mass: 461.971254

Percentage Composition: C 25.99%; F 74.01%

Melting Point: Mp 17.5°

Boiling Point: Bp 141°

Refractive Index: n_D²⁰ 1.3148

Aldrich: 42268-1

Other: Aldrich 42,268-1

>>Variant: (4aRS,8aSR)-form

Synonym(s): *cis*-form

CAS Registry Number: 60433-11-6

Molecular Formula: C₁₀F₁₈

Molecular Weight: 462.081

Accurate Mass: 461.971254

Percentage Composition: C 25.99%; F 74.01%

Melting Point: Mp -7°

Boiling Point: Bp 142.5°

Refractive Index: n_D¹⁸ 1.3179

Aldrich: 42267-3

Other: Aldrich 42,267-3

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