

Perfluorotripentylamin e c15f33n structure



**ASSIGN
BUSTER**

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- Safety:

Molecular Formula	C ₁₅ F ₃₃ N
Average mass	821. 115 Da
Density	1. 8±0. 1 g/cm ³
Boiling Point	235. 9±40. 0 °C at 760 mmHg
Flash Point	96. 5±27. 3 °C
Molar Refractivity	80. 2±0. 3 cm ³
Polarizability	31. 8±0. 5 10 ⁻²⁴ cm ³

Surface Tension 13. 8±3. 0 dyne/cm

Molar Volume 463. 9±3. 0 cm³

- Experimental data
- Predicted - ACD/Labs
- Predicted - ChemAxon
- Experimental Physico-chemical Properties

- **Experimental Boiling Point:**

210-220 °CMatrix Scientific

210-220 °CAlfa AesarL16848

210-220 °CMatrix

Scientific006394

210-220 °CSynQuest24276,

3132-2-07

210-220 °COakwood[003306]

210-220

°CLabNetworkLN00119083

- **Experimental Vapor Pressure:**

0 mmHgSynQuest

0 °CSynQuest24276

0 mmHgSynQuest24276,

3132-2-07

- **Experimental Flash Point:**

- **Experimental Gravity:**

20 g/mLSynQuest3132-2-

07

1. 94 g/mLAlfa

AesarL16848

1. 94 g/mLSynQuest3132-

2-07

1. 93

g/mLOakwood[003306]

1. 93

g/mLFluorochem003306

- Miscellaneous

- **Safety:**

23-26-37Alfa AesarL16848

36/38Alfa AesarL16848

H315-H319Alfa AesarL16848

IRRITANTAlfa AesarL16848

IRRITANTMatrix Scientific006394

IrritantSynQuest24276, 3132-2-07

P280-P305+P351+P338-P362-P321-P332+P313-P337+P313Alfa
AesarL16848

R36/37/38SynQuest24276, 3132-2-07

S23, S24/25, S36/37/39, S45SynQuest24276, 3132-2-07

WarningAlfa AesarL16848

XiAbblis ChemicalsAB1011009

Predicted data is generated using the ACD/Labs Percepta Platform -
PhysChem Module

Density:	1. 8±0. 1 g/cm ³
Boiling Point:	235. 9±40. 0 °C at 760 mmHg
Vapour Pressure:	0. 0±0. 5 mmHg at 25°C
Enthalpy of Vaporization:	47. 3±3. 0 kJ/mol

Flash Point:	96.5±27.3 °C
Index of Refraction:	1.275
Molar Refractivity:	80.2±0.3 cm ³
#H bond acceptors:	1
#H bond donors:	0
#Freely Rotating Bonds:	15
#Rule of 5 Violations:	2
ACD/LogP:	21.49
ACD/LogD (pH 5.5):	14.09
ACD/BCF (pH 5.5):	1000000.00
ACD/KOC (pH 5.5):	10000000.00
ACD/LogD (pH 7.4):	14.09
ACD/BCF (pH 7.4):	1000000.00
ACD/KOC (pH 7.4):	10000000.00
Polar Surface Area:	3 Å ²

Polarizability: $31.8 \pm 0.5 \cdot 10^{-24} \text{ cm}^3$

Surface Tension: $13.8 \pm 3.0 \text{ dyne/cm}$

Molar Volume: $463.9 \pm 3.0 \text{ cm}^3$

Click to predict properties on the Chemicalize site