1,8-diiodoperfluorooctane c8f16i2 structure

ASSIGN BUSTER

Contents

- Safety:

Molecular Formula	$C_8F_{16}I_2$
Average mass	653. 869 Da
Density	2. 3±0. 1 g/cm ^{3}
Boiling Point	222. 0±8. 0 °C at 760 mmHg
Flash Point	98. 5±5. 6 °C
Molar Refractivity	67. 4±0. 3 cm ^{3}
Polarizability	26. 7±0. 5 10^{-24} cm^3
Surface Tension	20. 9±3. 0 dyne/cm
Molar Volume	285. 8±3. 0 cm^3

- Experimental data
- Predicted – ACD/Labs
- Predicted – ChemAxon
- Experimental Physico-chemical Properties
    - **Experimental Melting Point:**

      75-76

      °CSynQuest

      75-76

      °CSynQuest9152

      , 1100-J-19
    - **Experimental Boiling Point:**

      112 °C / 25

      mmHg (235.

      6772 °C / 760

      mmHg)SynQuest

      9152, 1100-J-19
    - **Experimental Flash Point:**
- Miscellaneous
    - **Safety:**

      Irritant/Keep

      ColdSynQuest11

00-J-19, 9152

R36/37/38SynQu
est1100-J-19,
9152

S3, S15, S22,
S24/25, S26,
S36/37/39,
S45SynQuest11
00-J-19

S3, S15, S22,
S24/25,
S36/37/39,
S45SynQuest11
00-J-19, 9152

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

Density:	2. 3±0. 1 g/cm ^{3}
Boiling Point:	222. 0±8. 0 °C at 760 mmHg
Vapour Pressure:	0. 2±0. 4 mmHg at 25°C
Enthalpy of Vaporization:	44. 0±3. 0 kJ/mol

Flash Point:	98. 5±5. 6 °C
Index of Refraction:	1. 388
Molar Refractivity:	67. 4±0. 3 cm^{3}
#H bond acceptors:	0
#H bond donors:	0
#Freely Rotating Bonds:	7
#Rule of 5 Violations:	2
ACD/LogP:	10. 56
ACD/LogD (pH 5. 5):	8. 41
ACD/BCF (pH 5. 5):	1000000. 00
ACD/KOC (pH 5. 5):	893926. 00
ACD/LogD (pH 7. 4):	8. 41
ACD/BCF (pH 7. 4):	1000000. 00
ACD/KOC (pH 7. 4):	893926. 00
Polar Surface Area:	0 $Å^{2}$
Polarizability:	26. 7±0. 5 10^{-24} cm^{3}

Surface Tension:	20. 9±3. 0 dyne/cm
Molar Volume:	285. 8±3. 0 cm^3

Click to predict properties on the Chemicalize site