

CAS Registry Number: 536-74-3**C₈ H₆**

Benzene, ethynyl-

Molecular Weight

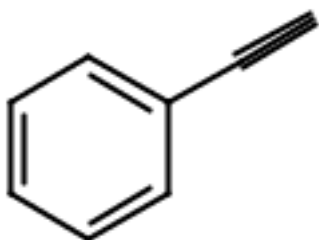
102.13

Melting Point (Experimental)

Value: -44.8 °C

Boiling Point (Experimental)

Value: 143 °C

Density (Experimental)Value: 0.9303 g/cm³ | Condition: Temp: 20 °C**Deleted CAS Registry Numbers:** 1401716-44-6

~25034 References

~111 Commercial Sources

Experimental Properties: Chemical Density Electronic Optical and Scattering Structure Related Thermal

Chemical Properties	Value	Condition	Note
Acid/Base Dissociation Constant (K _a /K _b)	See full text	1 of 3	(1)CAS
Ionization Potential	See full text		(59)CAS
Density Properties	Value	Condition	Note
Density	0.9303 g/cm ³	Temp: 20 °C	(19)CAS
Density	0.93 g/cm ³		(57)CAS
Density	0.9287 g/cm ³	Temp: 20 °C	(35)CAS
Density	See full text		(32)CAS
Electronic Properties	Value	Condition	Note
Band Gap	See full text	1 of 2	(2)CAS
Optical and Scattering Properties	Value	Condition	Note
Refractive Index	1.5507	Wavlen: 589.3 nm; Temp: 17 °C	(33)CAS
Refractive Index	1.5505	Temp: 20 °C	(40)IC
Refractive Index	1.5500	Temp: 20 °C	(23)IC
Refractive Index	1.5500	Temp: 20 °C	(13)IC
Refractive Index	1.5500	Temp: 20 °C	(40)IC
Refractive Index	1.5495	Wavlen: 589.3 nm; Temp: 20 °C	(19)CAS
Refractive Index	1.5494	Wavlen: 589.3 nm; Temp: 20 °C	(74)CAS
Refractive Index	1.5490	Temp: 20 °C	(27)IC
Refractive Index	1.5488	Wavlen: 589.3 nm	(32)CAS
Refractive Index	1.5486	Temp: 20 °C	(24)IC
Refractive Index	1.5483	Wavlen: 589.3 nm; Temp: 20 °C	(35)CAS
Refractive Index	1.5482	Wavlen: 589.3 nm; Temp: 20 °C	(75)CAS
Refractive Index	1.548	Wavlen: 589.3 nm; Temp: 21 °C	(34)CAS
Refractive Index	1.5470	Wavlen: 589.3 nm; Temp: 20 °C	(20)CAS
Structure Related Properties	Value	Condition	Note
Bond Angle	See full text		(41)CAS
Bond Length	See full text		(41)CAS
Crystal Structure	See full text	1 of 2	(56)CAS
Molecular Structure	See full text		(56)CAS

Thermal Properties	Value	Condition	Note
Boiling Point	144 °C		(3)CAS
Boiling Point	143 °C		(4)SRC
Boiling Point	142-144 °C		(5)CAS
Boiling Point	142-144 °C		(6)CAS
Boiling Point	142-143 °C		(7)CAS
Boiling Point	141-142 °C		(8)CAS
Boiling Point	141-142 °C		(9)CAS
Boiling Point	140-144 °C	Press: 760 Torr	(10)IC
Boiling Point	140 °C	Press: 730 Torr	(11)CAS
Boiling Point	137-139 °C		(12)CAS
Boiling Point	137-139 °C	Press: 680 Torr	(13)IC
Boiling Point	137-138 °C		(14)CAS
Boiling Point	123.4 °C		(15)CAS
Boiling Point	85-86 °C	Press: 90 Torr	(16)CAS
Boiling Point	80-82 °C	Press: 120 Torr	(17)CAS
Boiling Point	77-80 °C	Press: 100 Torr	(18)IC
Boiling Point	74-76 °C	Press: 90 Torr	(19)CAS
Boiling Point	65-68 °C	Press: 65 Torr	(20)CAS
Boiling Point	65 °C	Press: 30 Torr	(21)IC
Boiling Point	60-80 °C		(22)CAS
Boiling Point	60-62 °C	Press: 50 Torr	(23)IC
Boiling Point	57 °C	Press: 40 Torr	(24)IC
Boiling Point	55-60 °C	Press: 30 Torr	(25)IC
Boiling Point	52 °C	Press: 30 Torr	(26)IC
Boiling Point	50-51 °C	Press: 25 Torr	(27)IC
Boiling Point	49-50 °C	Press: 20 Torr	(28)CAS
Boiling Point	45 °C	Press: 16 Torr	(29)CAS
Boiling Point	44-46 °C	Press: 12 Torr	(30)CAS
Boiling Point	44-46 °C	Press: 20 Torr	(31)CAS
Boiling Point	44-45 °C	Press: 22 Torr	(32)CAS
Boiling Point	44 °C	Press: 23 Torr	(33)CAS
Boiling Point	44 °C	Press: 16 Torr	(34)CAS
Boiling Point	38-40 °C	Press: 13 Torr	(17)CAS
Boiling Point	37.5 °C	Press: 15 Torr	(35)CAS
Boiling Point	35-38 °C	Press: 14 Torr	(36)CAS
Boiling Point	35-36 °C	Press: 13 Torr	(17)CAS
Boiling Point	35 °C	Press: 10 Torr	(37)IC
Boiling Point	30.5 °C	Press: 9 Torr	(38)CAS
Boiling Point	30-34 °C	Press: 10 Torr	(39)CAS
Boiling Point	See full text		(40)IC
Enthalpy	See full text		(58)CAS
Formation Enthalpy	See full text	1 of 3	(2)CAS
Gibbs Free Energy	See full text		(58)CAS
Melting Point	240-241 °C		(63)CAS
Melting Point	222-223 °C (decomp)		(64)CAS
Melting Point	146-149 °C	Solv: ligroine (8032-32-4)	(22)CAS
Melting Point	142-144 °C		(65)CAS
Melting Point	93 °C		(66)CAS
Melting Point	75 °C		(67)CAS
Melting Point	-44.8 °C		(4)SRC
Melting Point	See full text	1 of 2	(68)IC

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