

Property Search Fields in CAS REGISTRYSM

REFERENCE CARD

Property Field Name ¹	Default Unit	Search Code
Bioconcentration Factor	none	/BCF
Bioconcentration Factor pH Values	none	/BCF.PH
Bioconcentration Factor Temperature	deg C	/BCF.T
Boiling Point	deg C	/BP
Boiling Point Pressure	Torr	/BP.P
Density	g/cm ³	/DEN
Density Pressure	Torr	/DEN.P
Density Temperature	deg C	/DEN.T
Electric Conductance	Siemens	/ECON
Electric Conductance Temperature	deg C	/ECON.T
Electric Conductivity	S/cm	/ECND
Electric Conductivity Temperature	deg C	/ECND.T
Electric Resistance	ohm	/ERES
Electric Resistance Temperature	deg C	/ERES.T
Electric Resistivity	ohm*cm	/EREST
Electric Resistivity Temperature	deg C	/EREST.T
Enthalpy of Vaporization	kJ/mol	/HVAP
Enthalpy of Vaporization Pressure	Torr	/HVAP.P
Experimental Properties ²	none	/EPROPS
Experimental Property Tags ^{2,3}	none	/ETAG
Field Availability ²	none	/FA
Field Not Available ²	none	/FNA
Flash Point	deg C	/FP
Freely Rotatable Bonds ⁴	none	/FRB
Glass Transition Temperature	deg C	/TG
Hydrogen Acceptors ⁴	none	/HAC



Hydrogen Donors ⁴	none	/HD
Hydrogen Donor/Acceptor Sum	none	/HDAS
Koc (Organic Carbon Adsorption Constant)	none	/KOC
Koc pH Values	none	/KOC.PH
Koc Temperature	deg C	/KOC.T
LogD	none	/LOGD
LogD pH Values	none	/LOGD.PH
LogD Temperature	deg C	/LOGD.T
LogP ⁴	none	/LOGP
LogP Temperature	deg C	/LOGP.T
Magnetic Moment	uB	/MM
Magnetic Moment Temperature	K	/MM.T
Mass Intrinsic Solubility	g/L	/SLB.MASS
Mass Solubility	g/L	/SLB.MASS
Mass Solubility pH	none	/SLB.PH
Mass Solubility Temperature	deg C	/SLB.T
Median Lethal Dose	mg/kg	/LD50
Median Lethal Dose Organism	none	/LD50.ORGAN
Median Lethal Dose Route of Administration	none	/LD50.RTE
Melting Point ³	deg C	/MP
Melting Point Pressure	Torr	/MP.P
Melting Point Solvent	none	/MP.SOL
Molar Intrinsic Solubility	mol/L	/SLB.MOL
Molar Volume	cm ³ /mol	/MVOL
Molar Volume Temperature	deg C	/MVOL.T
Molar Volume Pressure	Torr	/MVOL.P
Molecular Weight ⁴	none	/MW
Optical Rotatory Power	deg	/ORP
Optical Rotatory Power Concentration	g/100 mL	/ORP.C
Optical Rotatory Power Pathlength	dm	/ORP.LEN
Optical Rotatory Power Solvent	none	/ORP.SOL
Optical Rotatory Power Temperature	deg C	/ORP.T
Optical Rotatory Power Wavelength	nm	/ORP.W



pKa	none	/PKA
pKa Temperature	deg C	/PKA.T
pKa Type	none	/PKA.TYP
Polar Surface Area	A ² (Angstrom ²)	/PSA
Property Note ^{2,4}	none	/PNT
Property Source ²	none	/PSO
Property Type ²	none	/PTYP
Reference Accession Number in CA ²	none	/RAN.CA
Refractive Index	none	/RI
Refractive Index Temperature	deg C	/RI.T
Refractive Index Wavelength	nm	/RI.W
Spectra	none	/SPEC
Tensile Strength	MPa	/TS
Tensile Strength Temperature	deg C	/TS.T
Uncertainty Range	none	/UR
Vapor Pressure	Torr	/VP
Vapor Pressure Temperature	deg C	/VP.T

1. Unless otherwise indicated, property search fields may be searched using numeric operators or ranges.
2. Field contains text terms which are not searchable with numeric operators or ranges.
3. For a list of search terms, refer to [Tagged Experimental Properties in Registry](#).
4. The Property Note (/PNT) field contains property-related note terms when this information is reported. The /PNT field also contains the terms EXACT, CLOSED RANGE, OPEN RANGE. To limit your retrievals to EXACT, CLOSED RANGE or OPEN RANGE values, combine your numeric query with one of these terms using the (P) operator

Solution images are included for illustrative purposes only. Your experience may vary based on recent enhancements or product license

