

The eMolecules Project
MOLECULE TEMPLATE INFORMATION

Be sure that the information you provide in the template follows the format listed in the table below.

Property	Data Format/Explanation
IUPAC name	name assigned using IUPAC conventions
common name	molecular name that may be in common use
structural formula	formula for molecule (and drawing if appropriate)
structure (ball and stick)	image of substance that can be displayed using Chime; files with extensions including .pdb, .mol, .xyz
structure (space filling)	image of substance that can be displayed using Chime; files with extensions including .pdb, .mol, .xyz
molar mass	g/mol
melting point	°C
boiling point	°C
state of matter at room temperature (298K)	solid, liquid, gas
dipole moment	debyes
density	g/cm ³
type of bonding	ionic, polar covalent, non-polar covalent
type(s) of intermolecular (or interparticle) forces	Electrostatic, dipole-dipole, dispersion
uses of substance	
aqueous solubility	g/dL H ₂ O (same as g/100 mL)
solubility in another solvent	solvents the substance is soluble in with amount in g/dL where available
preparation reaction	reaction for the preparation of the molecule written in symbolic form with conditions such as temperature and pressure if appropriate
reaction for substance	reaction for the substance written in symbolic form with conditions such as temperature and pressure if appropriate
historical information	name of discoverer if known, date of discovery conditions of the discovery, name derivation or assignment or other

	historically relevant information
hazard information	toxicity or human physiological response data
citations	bibliographic information for all material contained on this page using APA format; all Internet citations must include a hyperlinked URL