

## LIFE SCIENCE PRODUCTS

## 102584 Caffeine pure Ph Eur, BP, USP

Formula Hill  $C_8H_{10}N_4O_2$ 

Chemical formula

Molar mass 194.20 g/mol

Density 1.23 g/cm<sup>3</sup> (18 °C)

pH value 5.5 - 6.5 (10 g/l 20 °C)

Form solid

Color white

Odeur odourless

Melting point 235 - 239 °C

Boiling point

Vapor pressure 20 hPa (80 °C)

Explosion limits

Flash point

Thermal decomposition

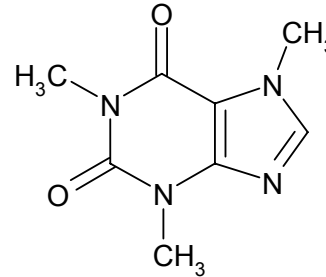
Heat of evaporation

Evaporation number

Ignition temperature &gt; 600 °C ((DIN 51794))

Bulk density ~ 220 kg/m<sup>3</sup>

Refractive index



Solubility in water ~ 20 g/l (20 °C)

Solubility in ethanol

Solubility in chloroform

Water absorption

Saturation conc. (air)

Dielectric constant

Dipole moment

Viscosity dynamical

Viscosity kinematical