

Thiamine Hydrochloride Vitamin B1 (BP,EP)

General Properties

Physical form and appearance White or almost white, crystalline powder or colorless crystals

Physical state solid

Form powder

Molecular weight 337.27

Molecular formula $C_{12}H_{17}N_4OS \cdot HCl$

Identification HPLC

Solubility Freely soluble in water, soluble in glycerol, slightly soluble in alcohol

Storage Preserve in tight, light-resistant containers.

International nonproprietary name (INN)
Thiamine hydrochloride

IUPAC name
2-[3-[(4-amino-2-methylpyrimidin-5-yl)methyl]-4-methyl-1,3-thiazol-3-ium-5-yl]ethanol;chloride;hydrochloride

Cas registry No.
67-03-6

indication
Vitamin B1.

structure

