

# Theophylline SR Pellets 60% (USP)

## General Properties

**Physical form and appearance** White to off white spherical pellets.

**Physical state** solid

**Form** pellet

**Molecular weight** 180.2

**Molecular formula**  $C_7H_8N_4O_2$

**Identification** Infrared Absorption Spectrophotometry

**Mesh size** 14#20

**Dissolution (in louse)** 1,2,3,4,7 hrs.

**Storage** Preserve in well-closed containers.

**International nonproprietary name (INN)**  
Theophylline

**IUPAC name**  
1,3-dimethyl-7H-purine-2,6-dione

**Cas registry No.**  
58-55-9

**indication**  
Non-selective phosphodiesterase inhibitor (xanthine), treatment of reversible airways obstruction.

**structure**

