

# ORGANICA

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Version 08

## Specification

19.04.2006

Code No. 12580

**PMT**

CAS No. 86-93-1

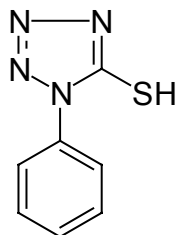
EEC No. 201-710-5

HS No. 29339990

Chemical Name

**1-Phenyl-5-mercaptotetrazole**  
1-Phenyl-1H-tetrazole-5-thiol

Structure



Molecular Formula

C<sub>7</sub>H<sub>6</sub>N<sub>4</sub>S

Molecular Weight

178,22

Product Properties

Appearance	White crystalline powder
Assay (%)	98,5 – 101,5 (TBAH)
Melting point (°C)	147,5 - 151,5
Loss on drying (%)	≤ 0,5
Sulfated ash (%)	≤ 0,5
Solubility (1% in EtOH)	clear, no residue
Turbidity (NTU)	≤ 3
Sulfur (ppm)	≤ 900 (HPLC)

Safety Data

R: 11-36-43-53

S: 24/25-26-37-61

F / Xi

Storage

T < 30°C, rel. humidity max. 70%; durability 24 months

Application

Stabilizer and antifogging agent in photography