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Version 09

Specification

01.12.2009

Code No. 12090

4-Hydroxy-PMT

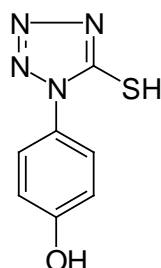
CAS No. 52431-78-4

EEC No. 257-909-2

Chemical Name

1-(4-Hydroxyphenyl)-5-mercaptotetrazole
3-(5-Mercapto-1H-tetrazol-1-yl)phenol

Structure



Molecular Formula

C₇H₆N₄OS

Molecular Weight

194,23

Product Properties

Appearance	White to yellowish crystalline powder
Assay (%)	≥ 94,0 (TBAH)
Assay (%)	≥ 98,0 (HPLC)
Melting point (°C)	168,0 - 178,0 (DSC)
Loss on drying (%)	≤ 5,0
Sulfated ash (%)	≤ 0,5
Solubility (1% in ethanol)	clear, no residue
Turbidity (NTU)	≤ 5
Disulfide (%)	≤ 0,6 (HPLC)
p-Aminophenol (%)	≤ 0,1 (HPLC)
Sulfur (%)	≤ 0,01 (HPLC)

Storage

Cool, dry, tightly closed, durability 24 months

Application

Antifogging agent in photography