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Product Specifications

Catalogue Number	32467
Product	7-(2,3-Dihydroxypropyl)theophylline Dyphylline 7-(2,3-Dihydroxypropyl)-3,7-dihydro-1,3-dimethyl-1 <i>H</i> -purine-2,6-dione
CAS Number	479-18-5
Molecular Formula	C ₁₀ H ₁₄ N ₄ O ₄

Appearance	White amorphous or crystalline solid
Solubility	Freely soluble in water, sparingly soluble in alcohol & in chloroform, Practically insoluble in ether
Melting Point	160 - 164 °C
Anion	Chloride : ≤ 0.035% Sulfate : ≤ 0.010%
pH	5.0 - 7.5
Infrared Spectrum	Conforms to structure
Loss on Drying	≤ 0.5%
Residual Solvents	≤ 5000 ppm (Alcohol)
Related Substances	Related compound : ≤ 1.0% Limit of theophylline : ≤ 0.5%
Residue On Ignition	≤ 0.15%
Assay by titration	98 - 102% (on dried basis)
Grade	USP
Storage	Store at RT
Additional Information	UV spectrum : Conforms to structure

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For Laboratory Use Only