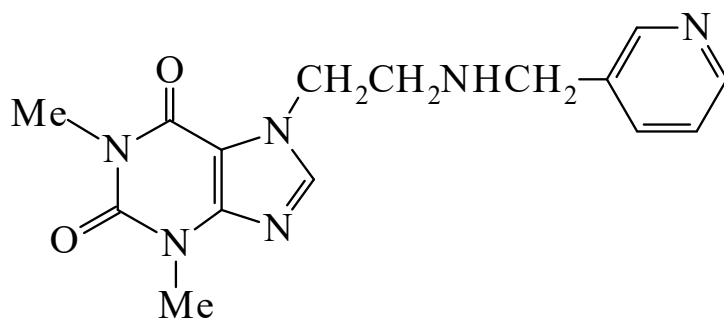




>>Entry Name: Pimefylline, INN

Synonym(s): 3,7-Dihydro-1,3-dimethyl-7-[2-[(3-pyridinylmethyl)amino]ethyl]-1*H*-purine-2,6-dione, 9Cl. 7-[2-[(2-Pyridylmethyl)amino]ethyl]theophylline. ES 771



CAS Registry Number: 10001-43-1

Molecular Formula: C₁₅H₁₈N₆O₂

Molecular Weight: 314.346

Accurate Mass: 314.149124

Percentage Composition: C 57.31%; H 5.77%; N 26.73%; O 10.18%

Use/Importance: Coronary vasodilator, muscle relaxant

Physical Description: Cryst. (isopropyl acetate)

Melting Point: Mp 111-112°

Calculated Log P Data: Log P -0.1 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 1900 mg/kg. LD₅₀ (mus, ivn) 402 mg/kg

>>Derivative: Nicotinate

Synonym(s): ES 902. Teonicon

CAS Registry Number: 10058-07-8

Physical Description: Cryst. (EtOH)

Melting Point: Mp 159-160°

References:

Netherlands Pat., 1966, Eprova, 6 600 250; CA, **65**, 18600g, (synth)

Ciaceri, G. *et al.*, Gazz. Med. Ital., 1973, **132**, 108, (pharmacol)

Suter, H. *et al.*, Pharm. Acta Helv., 1973, **48**, 133, (props)

Pitrè, D., Farmaco, Ed. Prat., 1974, **29**, 46, (metab)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., Pharmaceutical Press, 1982, 13117

Lewis, R.J., Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, PPN000