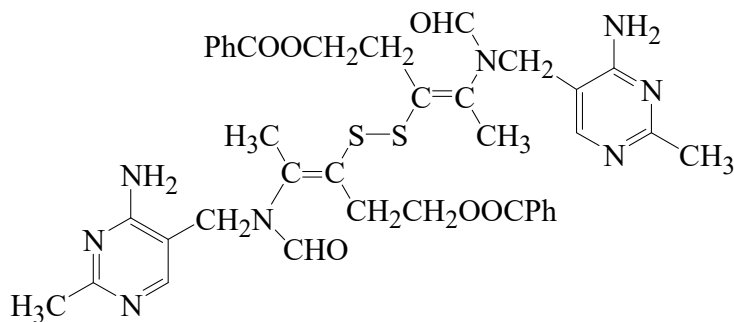




>>Entry Name: **Bisbentiamine**, INN, JAN

Synonym(s): *N,N'*-[Dithiobis[2-(2-benzoyloxyethyl)-1-methyl-2,1-ethenediyl]]bis[*N*-[(4-amino-2-methyl-5-pyrimidinyl)methyl]formamide], 9Cl. *O*-Benzoylthiamine disulfide. Beprocin. Kestoben. **Beston**‡. Neostal



CAS Registry Number: 2667-89-2

Related CAS Registry Numbers(s): 85985-54-2

Molecular Formula: C₃₈H₄₂N₈O₆S₂

Molecular Weight: 770.932

Accurate Mass: 770.266872

Percentage Composition: C 59.20%; H 5.49%; N 14.53%; O 12.45%; S 8.32%

Use/Importance: Vitamin B₁ source. Analgesic

Physical Description: Prisms (EtOH)

Melting Point: Mp 146-147°

Hazard & Toxicity: LD₅₀ (mus, orl) 9000 mg/kg. LD₅₀ (mus, ivn) 194 mg/kg

References:

Yurugi, S. *et al.*, *Shionogi Kenkyusho Nenpo*, 1968, **27**, 25, (*synth, pharmacol*)

Inoue, K. *et al.*, *Biochem. Med.*, 1973, **8**, 450, (*metab*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1052