



>>Entry Name: **Metallibure**, INN

Synonym(s): *N*-Methyl-*N'*-(1-methyl-2-propenyl)-1,2-hydrazinedicarbothioamide, 9CI. 1-Methyl-6-(1-methylallyl)-2,5-dithiobiurea, 8CI. *N*-(1-Methylallylthiocarbamoyl)-*N'*-methylthiocarbamoylhydrazine. **Methallibure**, BAN, USAN. Aimax. Match. Turisynchron. AY 61122. ICI 33828. NSC 69536

CAS Registry Number: 926-93-2

$\text{H}_2\text{C}=\text{CHCH}(\text{CH}_3)\text{NHC}(\text{S})\text{NHNHC}(\text{S})\text{NHMe}$

Molecular Formula: $\text{C}_7\text{H}_{14}\text{N}_4\text{S}_2$

Molecular Weight: 218.346

Accurate Mass: 218.065986

Percentage Composition: C 38.51%; H 6.46%; N 25.66%; S 29.37%

Use/Importance: Suppresses pituitary, ovarian and renal function. Used mainly in animals to modify ovulation

Hazard & Toxicity: LD₅₀ (rat, orl) 1000 mg/kg. Human and exp. reprod. effects. Exp. teratogen

>>Variant: (±)-form

Molecular Formula: $\text{C}_7\text{H}_{14}\text{N}_4\text{S}_2$

Molecular Weight: 218.346

Accurate Mass: 218.065986

Percentage Composition: C 38.51%; H 6.46%; N 25.66%; S 29.37%

Melting Point: Mp 198-200 dec.°

References:

Loew, O., *Arch. Exp. Veterinaarmed.*, 1972, **26**, 883, (rev)

Ger. Pat., 1972, 1 468 071; *CA*, **77**, 151530p, (synth)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1388

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, MLJ500