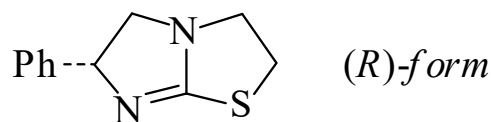




>>Entry Name: Tetramisole, BAN, INN

Synonym(s): 2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-*b*]thiazole, 9Cl, 8Cl. Narpenol



CAS Registry Number: 6649-23-6

Molecular Formula: C₁₁H₁₂N₂S

Molecular Weight: 204.295

Accurate Mass: 204.072118

Percentage Composition: C 64.67%; H 5.92%; N 13.71%; S 15.70%

Use/Importance: Anthelmintic

Calculated Log P Data: Log P 1.84 (calc)

>>Variant: (*R*)-form

Synonym(s): Dexamisole, INN, USAN

CAS Registry Number: 14769-74-5

Molecular Formula: C₁₁H₁₂N₂S

Molecular Weight: 204.295

Accurate Mass: 204.072118

Percentage Composition: C 64.67%; H 5.92%; N 13.71%; S 15.70%

Physical Description: Cryst.

Development Status: Never marketed

Melting Point: Mp 60-61.5°

Optical Rotation: $[\alpha]_D^{25} +85.1$ (c, 10 in CHCl₃)

>>Derivative: Hydrochloride

Synonym(s): Dextramisole hydrochloride. R 12563

CAS Registry Number: 16595-76-9

Use/Importance: Antidepressant, anthelmintic

Physical Description: Cryst.

Melting Point: Mp 228-230°

Optical Rotation: $[\alpha]_D^{20} +125$ (c, 0.7 in H₂O)

>>Derivative: Oxalate

Optical Rotation: $[\alpha]_D^{20} +99$ (c, 0.5 in H₂O)

>>Variant: (*S*)-form

Synonym(s): Levamisole, BAN, INN. Levipor. Nilvax. NSC 177023. Vermisol 150

CAS Registry Number: 14769-73-4

Molecular Formula: C₁₁H₁₂N₂S

Molecular Weight: 204.295

Accurate Mass: 204.072118

Percentage Composition: C 64.67%; H 5.92%; N 13.71%; S 15.70%

Use/Importance: Anthelmintic, immunopotentiator

Melting Point: Mp 60-61.5°

Optical Rotation: $[\alpha]_D^{25} -85.1$ (c, 10 in CHCl₃)

>>Derivative: Hydrochloride

Synonym(s): Levamisole hydrochloride, USAN. Ketrax. Nilverm. Nemicide. Tramisol. Levotetramisole hydrochloride. NSC 177023. Citarin L

CAS Registry Number: 16595-80-5

Melting Point: Mp 227-229°

Optical Rotation: $[\alpha]_D^{20} -124$ (c, 0.9 in H₂O)

Hazard & Toxicity: Adverse therapeutic effects incl. gastrointestinal effects, headache, muscle pain, and CNS and haematological disturbances. LD₅₀ (rat, orl) 180 mg/kg. Exp. reprod. and teratogenic effects