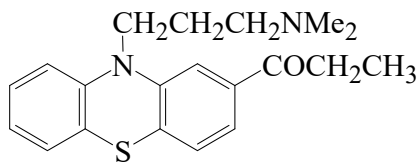




>>Entry Name: 1-[10-[3-(Dimethylamino)propyl]-10H-phenothiazin-2-yl]-1-propanone, 9Cl

Synonym(s): 10-(3-Dimethylaminopropyl)-2-propionylphenothiazine. Propiopromazine. Tranvet



CAS Registry Number: 3568-24-9

Related CAS Registry Numbers(s): 7681-67-6

Extra CAS Registry Numbers(s): 14796-43-1 38878-70-5 40746-12-1

Molecular Formula: C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>OS

Molecular Weight: 340.488

Accurate Mass: 340.160933

Percentage Composition: C 70.55%; H 7.10%; N 8.23%; O 4.70%; S 9.42%

Biological Use/Importance: Veterinary tranquilliser

Melting Point: Mp 69-70°

Boiling Point: Bp<sub>0.5</sub> 245-260°

Other Data: Analogue of Chlorpromazine [FLV89-H](#)

>>Derivative: Maleate

Physical Description: Cryst. (Me<sub>2</sub>CO)

Melting Point: Mp 135°

>>Derivative: Methiodide

Molecular Formula: C<sub>21</sub>H<sub>27</sub>IN<sub>2</sub>OS

Molecular Weight: 482.428

Accurate Mass: 482.088881

Percentage Composition: C 52.28%; H 5.64%; I 26.31%; N 5.81%; O 3.32%; S 6.65%

Physical Description: Yellow cryst. (2-propanol)

Melting Point: Mp 79-80°

>>Derivative: Oxime

Molecular Formula: C<sub>20</sub>H<sub>25</sub>N<sub>3</sub>OS

Molecular Weight: 355.503

Accurate Mass: 355.171832

Percentage Composition: C 67.57%; H 7.09%; N 11.82%; O 4.50%; S 9.02%

Physical Description: Pale yellow cryst. (EtOH)

Melting Point: Mp 167-168°

#### References:

Schmitt, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1957, 938, (*synth, uv*)

Gilbert, J.N.T. *et al.*, *Org. Mass Spectrom.*, 1969, **2**, 17, (*ms*)

*Merck Index*, 12th edn., 1996, 8015