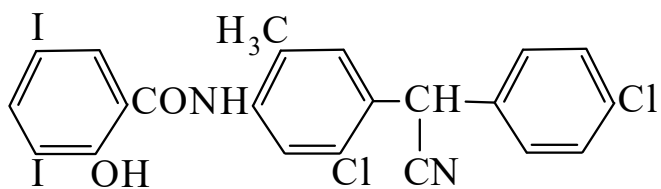




>>Entry Name: Closantel, BAN, INN, USAN

Synonym(s): *N*-[5-Chloro-4-[(4-chlorophenyl)cyanomethyl]-2-methylphenyl]-2-hydroxy-3,5-diiodobenzamide, 9Cl. Seponver. R 31520



CAS Registry Number: 57808-65-8

Related CAS Registry Numbers(s): 61438-64-0

Molecular Formula: C₂₂H₁₄Cl₂I₂N₂O₂

Molecular Weight: 663.079

Accurate Mass: 661.852178

Percentage Composition: C 39.85%; H 2.13%; Cl 10.69%; I 38.28%; N 4.22%; O 4.83%

Use/Importance: Anthelmintic used against sheep liver flukes

Calculated Log P Data: Log P 7.76 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 262 mg/kg. Exp. reprod. effects

Sigma: C0165

>>Variant: (±)-form

Molecular Formula: C₂₂H₁₄Cl₂I₂N₂O₂

Molecular Weight: 663.079

Accurate Mass: 661.852178

Percentage Composition: C 39.85%; H 2.13%; Cl 10.69%; I 38.28%; N 4.22%; O 4.83%

Melting Point: Mp 217°

Other Data: Also used as Na salt (Closantel sodium, BAN)

References:

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Van den Bossche, H. *et al.*, *Arch. Int. Physiol. Biochim.*, 1979, **87**, 851, (*pharmacol*)

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