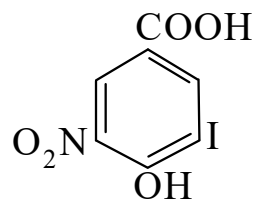




>>Entry Name: 4-Hydroxy-3-iodo-5-nitrobenzoic acid



Molecular Formula: C₇H₄INO₅

Molecular Weight: 309.017

Accurate Mass: 308.913422

Percentage Composition: C 27.21%; H 1.30%; I 41.07%; N 4.53%; O 25.89%

>>Derivative: Nitrile

Synonym(s): 4-Hydroxy-3-iodo-5-nitrobenzonitrile, 9CI, 8CI. 4-Cyano-2-iodo-6-nitrophenol. **Nitroxinil**, INN. Nitroxynil, BAN

CAS Registry Number: 1689-89-0

Molecular Formula: C₇H₃IN₂O₃

Molecular Weight: 290.017

Accurate Mass: 289.918841

Percentage Composition: C 28.99%; H 1.04%; I 43.76%; N 9.66%; O 16.55%

Use/Importance: Anthelmintic (fasciolicide)

Physical Description: Yellow cryst. (C₆H₆)

Melting Point: Mp 137-138°

Solubility: Sl. sol. H₂O

pKa Value: pK_a 2.85

Calculated Log P Data: Log P 2.33 (calc)

>>Derivative: Nitrile, N-methylglucamine salt (1:1)

Synonym(s): Fasciolid

CAS Registry Number: 10532-59-9

Physical Description: Dimorphic cryst. + ½H₂O and 3H₂O

Melting Point: Mp 85-88°. Mp 56.5-59°

>>Derivative: Nitrile, N-ethylglucamine salt (1:1)

Synonym(s): Dovenix. Trodax. M and B 20755H

CAS Registry Number: 27917-82-4

Melting Point: Mp 47-105°

References:

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