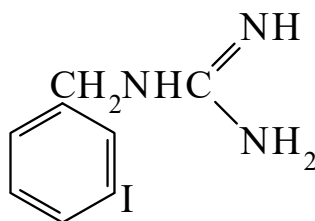




>>Entry Name: Iobenguane, INN

Synonym(s): [(3-Iodophenyl)methyl]guanidine. *m*-Iodobenzylguanidine. MIBG. MyoMIBG



CAS Registry Number: 80663-95-2

Related CAS Registry Numbers(s): 74075-13-1 76924-93-1

Extra CAS Registry Numbers(s): 77679-27-7 139755-80-9

Molecular Formula: C₈H₁₀IN₃

Molecular Weight: 275.092

Accurate Mass: 274.991945

Percentage Composition: C 34.93%; H 3.66%; I 46.13%; N 15.27%

Calculated Log P Data: Log P 1.39 (uncertain value) (calc)

Other Data: ¹²³I, ¹²⁵I and ¹³¹I labelled compds. used as diagnostic agents (Iobenguane 131 I, INN, USAN)

Sigma: I9890

>>Derivative: Sulfate

CAS Registry Number: 87862-25-7

Extra CAS Registry Numbers(s): 149210-33-3

Physical Description: Cryst. (H₂O)

Melting Point: Mp 164-165°

Other Data: ¹²³I and ¹³¹I labelled compd. used as diagnostic agents (Iobenguane sulfate ¹²³I, ¹³¹I, USAN)

References:

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Chambon, C. *et al.*, *J. Biophys. Med. Nucl.*, 1984, **8**, 198, (*pharmacol*)
Wieland, D.M. *et al.*, *J. Med. Chem.*, 1984, **27**, 149, (*synth, salt*)
McEwan, A.J. *et al.*, *Appl. Radiat. Isot.*, 1986, **37**, 765, (*rev, synth, metab, use*)
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Wafelman, A.R. *et al.*, *Appl. Radiat. Isot.*, 1994, **45**, 997-1007, (*rev, 131-I-labelled, synth*)
Wafelman, A.R. *et al.*, *Eur. J. Nucl. Med.*, 1994, **21**, 545-559, (*rev, 131-I labelled, pharmacol*)