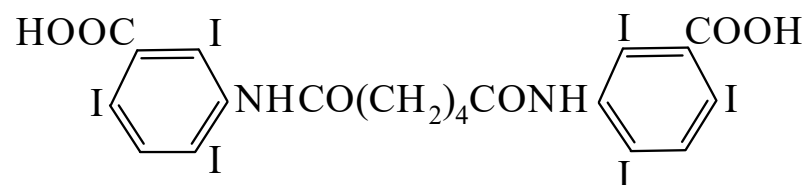




>>Entry Name: Adipiodone, INN

Synonym(s): 3,3'-[(1,6-Dioxo-1,6-hexanediyl)diimino]bis(2,4,6-triiodobenzoic acid), 9Cl. 3,3'-(Adipoyldiimino)bis(2,4,6-triiodobenzoic acid), 8Cl. **Iodipamide**, BAN. *N,N'*-Di(3-carboxy-2,4,6-triiodophenyl)adipamide. Bilignost. Biligrafin. Cholografin. BE 426. Many other names



CAS Registry Number: 606-17-7

Related CAS Registry Numbers(s): 24360-85-8

Molecular Formula: C₂₀H₁₄I₆N₂O₆

Molecular Weight: 1139.767

Accurate Mass: 1139.512026

Percentage Composition: C 21.08%; H 1.24%; I 66.81%; N 2.46%; O 8.42%

Biological Use/Importance: Radiopaque medium used in contrast radiology. Used to characterise a drug-binding site (I) in human serum albumin

Melting Point: Mp 306-308 dec.°

Solubility: Insol. CHCl₃, Et₂O, H₂O, C₆H₆

Calculated Log P Data: Log P 2.76 (calc)

Other Data: Dec. on exp. to light. Used as di-Na or di *N*-methylglucamine salts. ¹³¹I labelled compd. used as a radioactive agent

Rare Chemicals Library: S42256-8

Sigma: I0639

>>Derivative: Compd. with 1-deoxy-1-(methylamino)-D-glucitol

Synonym(s): **Iodipamide meglumine**, USAN. Bilipolinum. Cavumbren. Cholografin meglumine

CAS Registry Number: 3521-84-4

Other Data: Component of Sinografin

Hazard & Toxicity: LD₅₀ (rat, ivn) 5000 mg/kg

References:

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Fischer, E. *et al.*, *Acta Physiol. Acad. Sci. Hung.*, 1970, **38**, 135, (*pharmacol*)

Lerner, H.H., *Anal. Profiles Drug Subst.*, 1974, **3**, 333, (*rev, synth, pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., *Akademie-Verlag*, 1987, 5550, (*synonyms*)

Yao, S.-Z. *et al.*, *J. Pharm. Biomed. Anal.*, 1990, **8**, 373, (*anal*)

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