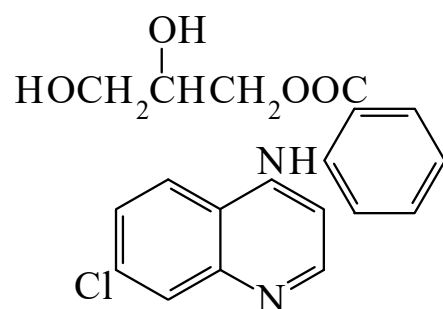




>>Entry Name: **Glafenine**, INN, JAN

Synonym(s): 2,3-Dihydroxypropyl 2-(7-chloro-4-quinoliny)aminobenzoate, 9Cl. 2,3-Dihydroxypropyl *N*-(7-chloro-4-quinolyl)anthranilate. R 1707. Glaphenine. Glifan. Glifanan. Osodent. Privadol. Rosavil. Many other names



CAS Registry Number: 3820-67-5

Related CAS Registry Numbers(s): 29529-43-9 65513-72-6

Molecular Formula: C₁₉H₁₇ClN₂O₄

Molecular Weight: 372.807

Accurate Mass: 372.087685

Percentage Composition: C 61.21%; H 4.60%; Cl 9.51%; N 7.51%; O 17.17%

Use/Importance: Analgesic, antiinflammatory agent

Calculated Log P Data: Log P 4.28 (calc)

Hazard & Toxicity: Reported adverse effects (anaphylactic reactions, nephrotoxicity, hepatotoxicity, gastrointestinal disturbances) has led to withdrawal in some countries.
LD₅₀ (rat, orl) 2300 mg/kg

Sigma: G6895

>>Variant: (±)-form

Molecular Formula: C₁₉H₁₇ClN₂O₄

Molecular Weight: 372.807

Accurate Mass: 372.087685

Percentage Composition: C 61.21%; H 4.60%; Cl 9.51%; N 7.51%; O 17.17%

Physical Description: Pale yellow prisms

Melting Point: Mp 170°

References:

- Ruedy, J. *et al.*, *J. Clin. Pharmacol.*, 1971, **11**, 378, (*pharmacol*)
Allais, A. *et al.*, *Eur. J. Med. Chem. (Chim. Ther.)*, 1973, **8**, 154, (*synth*)
Chevet, D. *et al.*, *Therapie*, 1974, **29**, 575, (*tox*)
Pottier, J. *et al.*, *Eur. J. Drug Metab. Pharmacokinet.*, 1979, **4**, 109, (*metab*)
Mouzin, G. *et al.*, *Synthesis*, 1980, 54, (*synth*)
Tournet, M.C. *et al.*, *J. Chromatogr.*, 1981, **224**, 348, (*hplc*)
Ennachachibi, A. *et al.*, *J. Chromatogr.*, 1988, **427**, 307, (*hplc*)
Badwan, A.A. *et al.*, *Anal. Profiles Drug Subst.*, 1992, **21**, 197, (*rev*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 17
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 6868, (*synonyms*)