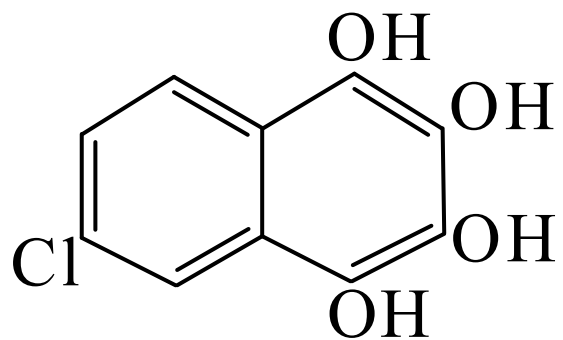




>>Entry Name: 6-Chloro-1,2,3,4-naphthalenetetrol

Synonym(s): 6-Chloro-1,2,3,4-tetrahydroxynaphthalene



Molecular Formula: C₁₀H₇ClO₄

Molecular Weight: 226.616

Accurate Mass: 226.003287

Percentage Composition: C 53.00%; H 3.11%; Cl 15.64%; O 28.24%

>>Derivative: 2,3-Di-Me ether, 1,4-di-Ac

Synonym(s): Lonapalene, INN, USAN. RS 43179. 6-Chloro-2,3-dimethoxy-1,4-naphthalenediol diacetate, 9Cl

CAS Registry Number: 91431-42-4

Molecular Formula: C₁₆H₁₅ClO₆

Molecular Weight: 338.744

Accurate Mass: 338.055717

Percentage Composition: C 56.73%; H 4.46%; Cl 10.47%; O 28.34%

Use/Importance: Antipsoriatic drug. Selective 5-lipoxygenase inhibitor

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 91-92°

Calculated Log P Data: Log P 1.14 (calc)

References:

Flynn, D.L. *et al.*, *Tet. Lett.*, 1986, **27**, 5075, (*synth*)

Jones, G.H. *et al.*, *J. Med. Chem.*, 1986, **29**, 1504, (*synth, pharmacol*)

Berry, P.W. *et al.*, *Proc. West. Pharmacol. Soc.*, 1987, **30**, 137, (*metab*)

Perri, S.T. *et al.*, *Tet. Lett.*, 1987, **28**, 4507, (*synth*)