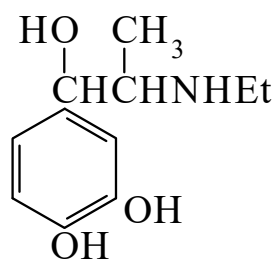




>>**Entry Name:** Dioxethedrin, INN

Synonym(s): 4-[2-(Ethylamino)-1-hydroxypropyl]-1,2-benzenediol, 9Cl. α -[1-(Ethylamino)ethyl]-3,4-dihydroxybenzyl alcohol, 8Cl. *N*-Ethyl-3,4-dihydroxynorephedrine. 2-Ethylamino-1-(3,4-dihydroxyphenyl)-1-propanol. C 247



CAS Registry Number: 497-75-6

Type of Compound Code(s): XA2350 XA2600

Molecular Formula: C₁₁H₁₇NO₃

Molecular Weight: 211.26

Accurate Mass: 211.120844

Percentage Composition: C 62.54%; H 8.11%; N 6.63%; O 22.72%

Use/Importance: Bronchodilator, antitussive, sympathomimetic agent

Calculated Log P Data: Log P 0.15 (calc)

Other Data: Related to Dioxifedrine [HKT23-O](#)

>>**Derivative:** Hydrochloride

CAS Registry Number: 22930-85-4

Melting Point: Mp 212-214°

References:

Lespagnol, A. *et al.*, *Ann. Pharm. Fr.*, 1960, **80**, 445, (*synth, pharmacol*)

Hutzinger, O. *et al.*, *Can. J. Chem.*, 1969, **47**, 2003, (*synth*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1242