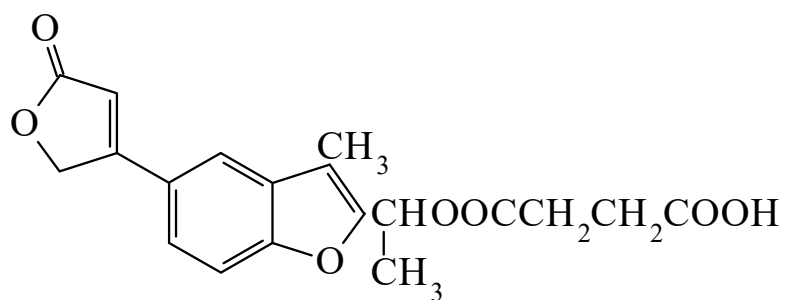




>>Entry Name: Benfurodil hemisuccinate, INN

Synonym(s): Mono[1-[5-(2,5-dihydro-5-oxo-3-furanyl)-3-methyl-2-benzofuranyl]ethyl] butanedioate, 9Cl. 4-[2-(1-Hydroxyethyl)-3-methyl-5-benzofuranyl]-2(5*H*)-furanone succinate, 8Cl. 2-(1-Hydroxyethyl)-β-(hydroxymethyl)-3-methyl-5-benzofuranacrylic acid γ-lactone hydrogen succinate. Clinodilat. Eucilat. Eudilat. CB 4091



CAS Registry Number: 3447-95-8

Molecular Formula: C₁₉H₁₈O₇

Molecular Weight: 358.347

Accurate Mass: 358.105255

Percentage Composition: C 63.68%; H 5.06%; O 31.25%

Use/Importance: Vasodilator. Cardiotonic agent

Calculated Log P Data: Log P 2.7 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 520 mg/kg. LD₅₀ (mus, scu) 355 mg/kg

>>Variant: (±)-form

Molecular Formula: C₁₉H₁₈O₇

Molecular Weight: 358.347

Accurate Mass: 358.105255

Percentage Composition: C 63.68%; H 5.06%; O 31.25%

Physical Description: Pale yellow cryst. (EtOAc)

Melting Point: Mp 144°

References:

- Schmitt, J. *et al.*, *Chim. Ther.*, 1966, **2**, 305, (*synth, pharmacol*)
Schmitt, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1967, 74, (*synth*)
Tyfczynska, J., *Diss. Pharm. Pharmacol.*, 1968, **20**, 459, (*tlc*)
Galal, E.E. *et al.*, *J. Drug Res.*, 1975, **7**, 95, (*pharmacol*)
Turcant, A. *et al.*, *J. Chromatogr.*, 1979, **164**, 195, (*hplc*)
Turcant, A. *et al.*, *Therapie*, 1979, **34**, 611, (*pharmacol*)
Monti, E. *et al.*, *Farmaco, Ed. Prat.*, 1983, **38**, 334, (*pharmacol*)
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