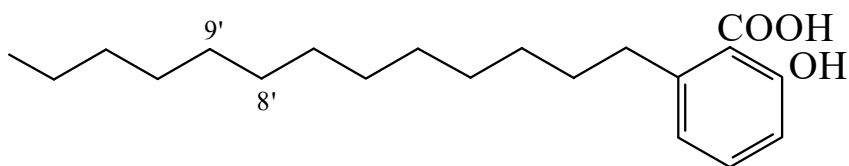




>>Entry Name: 2-Hydroxy-6-tridecylbenzoic acid, 9CI

Synonym(s): 6-Tridecylsalicylic acid



CAS Registry Number: 20261-38-5

Molecular Formula: C₂₀H₃₂O₃

Molecular Weight: 320.471

Accurate Mass: 320.235145

Percentage Composition: C 74.96%; H 10.06%; O 14.98%

Biological Source: Isol. from *Ginkgo biloba*, *Pistacia vera* and the brown alga *Caulocystis cephalornithos*

Use/Importance: Shows antiinflammatory activity

Physical Description: Plates (hexane)

Melting Point: Mp 85-86° (73-74°)

Solubility: BERDY SOL: Sol. MeOH, C₆H₆; fairly sol. hexane; poorly sol. H₂O

Calculated Log P Data: Log P 8.48 (uncertain value) (calc)

UV: [neutral] λ_{max} 244 (); 308 () (MeOH) (Berdy)

>>Derivative: 8',9'-Didehydro (Z-)

Synonym(s): 2-Hydroxy-6-(8-tridecenyl)benzoic acid. 6-(8-Tridecenyl)salicylic acid

CAS Registry Number: 88640-88-4

Molecular Formula: C₂₀H₃₀O₃

Molecular Weight: 318.455

Accurate Mass: 318.219495

Percentage Composition: C 75.43%; H 9.49%; O 15.07%

Biological Source: Isol. from *Pistacia vera*

References:

- Durrani, A.A. *et al.*, *J.C.S. Perkin I*, 1979, 2069, (*synth*)
Buckle, P.J. *et al.*, *Agents Actions*, 1980, **10**, 361, (*pharmacol*)
Kazlauskas, R. *et al.*, *Aust. J. Chem.*, 1980, **33**, 2097, (*isol, pmr, cmr, ir, ms*)
Yalponi, M. *et al.*, *Phytochemistry*, 1983, **22**, 2263, (*isol, deriv*)
Itokawa, H. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 3016, (*isol, ms, ir, pmr*)
Zehnter, R. *et al.*, *Annalen*, 1995, 2209, (*synth, ir, pmr, cmr*)