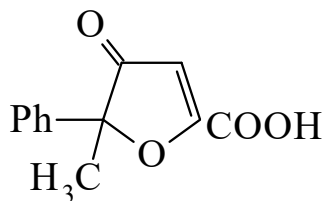




>>Entry Name: 4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid, 9CI

Synonym(s): Acifran, INN, USAN. Reductol. AY 25712



CAS Registry Number: 72420-38-3

Molecular Formula: C₁₂H₁₀O₄

Molecular Weight: 218.209

Accurate Mass: 218.05791

Percentage Composition: C 66.05%; H 4.62%; O 29.33%

Use/Importance: Antihyperlipidaemic agent

Hazard & Toxicity: LD₅₀ (rat, orl) 3000 mg/kg

>>Variant: (+)-form

CAS Registry Number: 77103-91-4

Molecular Formula: C₁₂H₁₀O₄

Molecular Weight: 218.209

Accurate Mass: 218.05791

Percentage Composition: C 66.05%; H 4.62%; O 29.33%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 87-89°

Optical Rotation: [α]_D²⁵ +146.4 (c, 2 in MeOH)

>>Variant: (±)-form

CAS Registry Number: 82720-24-9

Molecular Formula: C₁₂H₁₀O₄

Molecular Weight: 218.209

Accurate Mass: 218.05791

Percentage Composition: C 66.05%; H 4.62%; O 29.33%

Melting Point: Mp 176°

References:

- Cayen, M.N. *et al.*, *Atherosclerosis (Shannon, Irel.)*, 1982, **45**, 267; 281, (*pharmacol*)
Jirkovsky, I. *et al.*, *J. Med. Chem.*, 1982, **25**, 1154, (*synth, pharmacol, resoln*)
Gonzalez, R. *et al.*, *Clin. Biochem.*, 1983, **16**, 244, (*hplc*)
Hunninghake, D.B. *et al.*, *Clin. Pharmacol. Ther. (St. Louis)*, 1985, **38**, 313, (*clin trial*)
Cayen, M.N. *et al.*, *Xenobiotica*, 1986, **16**, 251, (*metab*)
Cayen, M.N. *et al.*, *Clin. Pharmacol. Ther. (St. Louis)*, 1990, **47**, 50, (*pharmacokinet, metab*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 983