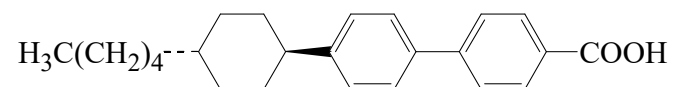




>>Entry Name: 4'-(4-Pentylcyclohexyl)[1,1'-biphenyl]-4-carboxylic acid, 9CI



Molecular Formula: C₂₄H₃₀O₂

Molecular Weight: 350.5

Accurate Mass: 350.22458

Percentage Composition: C 82.24%; H 8.63%; O 9.13%

>>Variant: *trans*-form

CAS Registry Number: 68065-89-4

Molecular Formula: C₂₄H₃₀O₂

Molecular Weight: 350.5

Accurate Mass: 350.22458

Percentage Composition: C 82.24%; H 8.63%; O 9.13%

>>Derivative: Nitrile

Synonym(s): 1-Cyano-4'-(4-pentylcyclohexyl)biphenyl

CAS Registry Number: 68065-81-6

Extra CAS Registry Numbers(s): 70711-80-7

Molecular Formula: C₂₄H₂₉N

Molecular Weight: 331.5

Accurate Mass: 331.229999

Percentage Composition: C 86.96%; H 8.82%; N 4.23%

Use/Importance: Used in liq. cryst. compositions

References:

Ger. Pat., 1978, 2 701 591; *CA*, **89**, 215085e, (*synth*)

Haase, W. *et al.*, *Mol. Cryst. Liq. Cryst.*, 1983, **97**, 131-147, (*nitrile, cryst struct*)