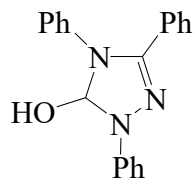




>>Entry Name: 4,5-Dihydro-5-hydroxy-1,3,4-triphenyl-1*H*-1,2,4-triazole

Synonym(s): 4,5-Dihydro-1,3,4-triphenyl-1*H*-1,2,4-triazol-5-ol



Molecular Formula: C₂₀H₁₇N₃O

Molecular Weight: 315.374

Accurate Mass: 315.137162

Percentage Composition: C 76.17%; H 5.43%; N 13.32%; O 5.07%

>>Derivative: Me ether

Synonym(s): 4,5-Dihydro-5-methoxy-1,3,4-triphenyl-1*H*-1,2,4-triazole

CAS Registry Number: 154643-41-1

Molecular Formula: C₂₁H₁₉N₃O

Molecular Weight: 329.401

Accurate Mass: 329.152812

Percentage Composition: C 76.57%; H 5.81%; N 12.76%; O 4.86%

Use/Importance: Source of stable carbene 2,4-Dihydro-2,4,5-triphenyl-3*H*-1,2,4-triazol-3-ylidene [BYR58-Y](#)

Physical Description: Pale yellow cryst. (MeOH)

Melting Point: Mp 80° (dec.)

References:

Enders, D. *et al.*, *Angew. Chem., Int. Ed.*, 1995, **34**, 1021-1023, (*synth, derivs, pmr, cmr, ir, ms*)