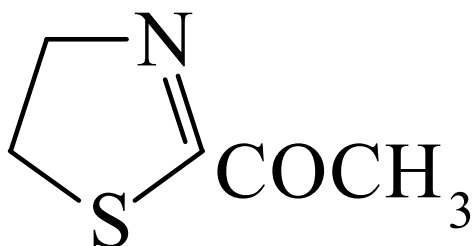




>>Entry Name: 2-Acetyl-4,5-dihydrothiazole

Synonym(s): 1-(4,5-Dihydro-2-thiazolyl)ethanone, 9CI. Methyl 2-thiazolin-2-yl ketone, 8CI. 2-Acetyl-2-thiazoline.  
FEMA 3817



CAS Registry Number: 29926-41-8

Molecular Formula: C<sub>5</sub>H<sub>7</sub>NOS

Molecular Weight: 129.182

Accurate Mass: 129.024834

Percentage Composition: C 46.49%; H 5.46%; N 10.84%; O 12.39%; S 24.82%

Use/Importance: Roasted meat-like flavour ingredient

Physical Description: Oil or cryst. with onion/grassy odour

Melting Point: Mp 25-26°

Boiling Point: Bp<sub>11</sub> 94°

Refractive Index: n<sub>D</sub><sup>20</sup> 1.5294

Aldrich: 34957-7

>>Derivative: Oxime

CAS Registry Number: 37112-89-3

Molecular Formula: C<sub>5</sub>H<sub>8</sub>N<sub>2</sub>OS

Molecular Weight: 144.197

Accurate Mass: 144.035733

Percentage Composition: C 41.65%; H 5.59%; N 19.43%; O 11.10%; S 22.24%

Physical Description: Cryst. (CCl<sub>4</sub>)

Melting Point: Mp 178-179 dec.°

#### References:

Doornbos, T. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1972, **91**, 711, (*synth, deriv, ir, pmr, uv, ms*)  
*U.S. Pat.*, 1973, 3 778 518; *CA*, **80**, 69405e, (*props*)