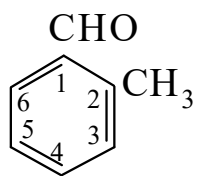




>>Entry Name: 2-Methylbenzaldehyde

Synonym(s): *o*-Toluic aldehyde. *o*-Tolualdehyde



CAS Registry Number: 529-20-4

Extra CAS Registry Numbers(s): 1334-78-7

Molecular Formula: C<sub>8</sub>H<sub>8</sub>O

Molecular Weight: 120.151

Accurate Mass: 120.057515

Percentage Composition: C 79.97%; H 6.71%; O 13.32%

Physical Description: Liq.

Boiling Point: Bp 197°. Bp<sub>6</sub> 68-72°

Density: d<sub>4</sub><sup>15</sup> 1.039

Aldrich: 11755-2

Fluka: 89830

>>Derivative: Oxime

CAS Registry Number: 14683-79-5

Molecular Formula: C<sub>8</sub>H<sub>9</sub>NO

Molecular Weight: 135.165

Accurate Mass: 135.068414

Percentage Composition: C 71.09%; H 6.71%; N 10.36%; O 11.84%

Physical Description: Needles (petrol)

Melting Point: Mp 49°

>>Derivative: Oxime, *O*-Ac

Molecular Formula: C<sub>10</sub>H<sub>11</sub>NO<sub>2</sub>

Molecular Weight: 177.202

Accurate Mass: 177.078979

Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%

Melting Point: Mp 55-56°

>>Derivative: Hydrazone

Molecular Formula: C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>

Molecular Weight: 134.18

Accurate Mass: 134.084398

Percentage Composition: C 71.61%; H 7.51%; N 20.88%

Melting Point: Mp 97°

>>Derivative: Phenylhydrazone

CAS Registry Number: 59473-50-6

Melting Point: Mp 105-106°

Rare Chemicals Library: S88620-3

>>Derivative: 4-Nitrophenylhydrazone

Physical Description: Red cryst. (EtOH)

Melting Point: Mp 222°

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 1773-44-0

Physical Description: Orange-red cryst. (EtOH)

Melting Point: Mp 193-194°

Aldrich: 42970-8

Supelco: 44-2722

>>Derivative: Semicarbazone