



>>Derivative: *N,N*-Di-Me

>>Derivative: *N*-Et

>>Derivative: *N*-Ph

>>Derivative: *N*-Triphenylmethyl

**CAS Registry Number:** 5893-05-0

**Molecular Formula:** C<sub>21</sub>H<sub>19</sub>NO<sub>2</sub>

**Molecular Weight:** 317.387

**Accurate Mass:** 317.141579

**Percentage Composition:** C 79.47%; H 6.03%; N 4.41%; O 10.08%

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 179-180°

>>Derivative: *N*-Benzyl

**Molecular Formula:** C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub>

**Molecular Weight:** 165.191

**Accurate Mass:** 165.078979

**Percentage Composition:** C 65.44%; H 6.71%; N 8.48%; O 19.37%

**Physical Description:** Cryst.

**Melting Point:** Mp 201-203°

>>Derivative: *N*-Benzyl; hydrochloride

**Physical Description:** Cryst.

**Melting Point:** Mp 226-228°

>>Derivative: *N*-(4-Methylbenzenesulfonyl)

**CAS Registry Number:** 1080-44-0

**Molecular Formula:** C<sub>9</sub>H<sub>11</sub>NO<sub>4</sub>S

**Molecular Weight:** 229.256

**Accurate Mass:** 229.040879

**Percentage Composition:** C 47.15%; H 4.84%; N 6.11%; O 27.92%; S 13.99%

**Melting Point:** Mp 147-149°

**pKa Value:** pK<sub>a</sub> 5.26

>>Derivative: *N*-(4-Methylbenzenesulfonyl), Me ester

**Molecular Formula:** C<sub>10</sub>H<sub>13</sub>NO<sub>4</sub>S

**Molecular Weight:** 243.283

**Accurate Mass:** 243.056529

**Percentage Composition:** C 49.37%; H 5.39%; N 5.76%; O 26.31%; S 13.18%

**Physical Description:** Cryst. (MeOH)

**Melting Point:** Mp 92-93°

>>Derivative: *N*-(4-Methylbenzenesulfonyl), *tert*-butyl ester

**CAS Registry Number:** 3551-20-0

**Molecular Formula:** C<sub>13</sub>H<sub>19</sub>NO<sub>4</sub>S

**Molecular Weight:** 285.363

**Accurate Mass:** 285.103479

**Percentage Composition:** C 54.72%; H 6.71%; N 4.91%; O 22.43%; S 11.24%

**Physical Description:** Cryst. (EtOAc/petrol)

**Melting Point:** Mp 107°