



>>Derivative: Di-Ph ester
Synonym(s): Diphenyl maleate

CAS Registry Number: 7242-17-3
Molecular Formula: $C_{16}H_{12}O_4$
Molecular Weight: 268.268
Accurate Mass: 268.07356
Percentage Composition: C 71.64%; H 4.51%; O 23.86%
Melting Point: Mp 73°
Boiling Point: Bp₁₅ 226°

>>Derivative: Monoamide
Synonym(s): (Z)-4-Amino-4-oxo-2-butenic acid, 9Cl. Maleamic acid, 8Cl

CAS Registry Number: 557-24-4
Molecular Formula: $C_4H_5NO_3$
Molecular Weight: 115.088
Accurate Mass: 115.026944
Percentage Composition: C 41.75%; H 4.38%; N 12.17%; O 41.71%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 172-173°
Solubility: Sol. H₂O, hot EtOH, insol. Et₂O

Aldrich: 44549-5
Rare Chemicals Library: S50593-5

>>Derivative: Diamide
Synonym(s): (Z)-Butenediamide, 9Cl. Maleamide, 8Cl

CAS Registry Number: 928-01-8
Molecular Formula: $C_4H_6N_2O_2$
Molecular Weight: 114.104
Accurate Mass: 114.042928
Percentage Composition: C 42.11%; H 5.30%; N 24.55%; O 28.04%
Physical Description: Cryst. (MeOH)
Melting Point: Mp 266 dec.°

>>Derivative: Bis(dimethylamide)

Molecular Formula: $C_8H_{14}N_2O_2$
Molecular Weight: 170.211
Accurate Mass: 170.105528
Percentage Composition: C 56.45%; H 8.29%; N 16.46%; O 18.80%
Melting Point: Mp 91°

>>Derivative: Monoanilide
Synonym(s): (Z)-4-Oxo-4-(phenylamino)-2-butenic acid, 9Cl. Maleanilic acid, 8Cl

CAS Registry Number: 555-59-9
Molecular Formula: $C_{10}H_9NO_3$
Molecular Weight: 191.186
Accurate Mass: 191.058244
Percentage Composition: C 62.82%; H 4.74%; N 7.33%; O 25.11%
Physical Description: Monoclinic yellow cryst. (EtOH)
Melting Point: Mp 198 dec.°
Other Data: Dissociates into Maleic anhydride [DCG56-R](#) and Aniline [HQP85-E](#) when heated >100° *in vacuo*
Hazard & Toxicity: Irritant
Rare Chemicals Library: S36445-2

>>Derivative: Monoanilide, Me ester