

Acid Dissociation Constants (25 °C)

Name	Formula	K _{a1}	K _{a2}	K _{a3}
Acetic	HC ₂ H ₃ O ₂	1.8×10 ⁻⁵		
Arsenic	H ₃ AsO ₄	5.6×10 ⁻³	1.0×10 ⁻⁷	3.0×10 ⁻¹²
Ascorbic	H ₂ C ₆ H ₆ O ₆	8.0×10 ⁻⁵	1.6×10 ⁻¹²	
Benzoic	HC ₇ H ₅ O ₂	6.5×10 ⁻⁵		
Boric	H ₃ BO ₃	5.8×10 ⁻¹⁰		
Carbonic	H ₂ CO ₃	4.3×10 ⁻⁷	5.6×10 ⁻¹¹	
Citric	H ₃ C ₆ H ₅ O ₇	7.4×10 ⁻⁴	1.7×10 ⁻⁵	4.0×10 ⁻⁷
Cyanic	HCNO	3.5×10 ⁻⁴		
Formic	HCHO ₂	1.8×10 ⁻⁴		
Hydrocyanic	HCN	4.9×10 ⁻¹⁰		
Hydrofluoric	HF	6.8×10 ⁻⁴		
Hydrogen peroxide	H ₂ O ₂	2.4×10 ⁻¹²		
Hydrogen sulfide	H ₂ S	5.7×10 ⁻⁸	1.3×10 ⁻¹³	
Iodic	HIO ₃	1.7×10 ⁻¹		
Lactic	HC ₃ H ₅ O ₃	1.4×10 ⁻⁴		
Malonic	H ₂ C ₃ H ₂ O ₄	1.5×10 ⁻³	2.0×10 ⁻⁶	
Nitrous	HNO ₂	4.5×10 ⁻⁴		
Oxalic	H ₂ C ₂ O ₄	5.9×10 ⁻²	6.4×10 ⁻⁵	
Phenol	HC ₆ H ₅ O	1.3×10 ⁻¹⁰		
Phosphoric	H ₃ PO ₄	7.5×10 ⁻³	6.2×10 ⁻⁸	4.2×10 ⁻¹³
Phosphorus	H ₃ PO ₃	1.6×10 ⁻²	7×10 ⁻⁷	
Propionic	HC ₃ H ₅ O ₂	1.3×10 ⁻⁵		
Selenic	H ₂ SeO ₄	Strong Acid	2.2×10 ⁻²	
Selenous	H ₂ SeO ₃	2.3×10 ⁻³	5.3×10 ⁻⁹	
Sulfuric	H ₂ SO ₄	Strong Acid	1.2×10 ⁻²	
Sulfurous	H ₂ SO ₃	1.7×10 ⁻²	6.4×10 ⁻⁸	

Base Dissociation Constants (25 °C)

Name	Formula	K _b	Name	Formula	K _b
Ammonia	NH ₃	1.8×10 ⁻⁵	Hydrazine	H ₂ NNH ₂	1.3×10 ⁻⁶
Aniline	C ₆ H ₅ NH ₂	4.3×10 ⁻¹⁰	Hydroxylamine	HONH ₂	1.1×10 ⁻⁸
Dimethylamine	(CH ₃) ₂ NH	5.4×10 ⁻⁴	Methylamine	CH ₃ NH ₂	4.4×10 ⁻⁴
Ethylamine	C ₂ H ₅ NH ₂	6.4×10 ⁻⁴	Pyridine	C ₅ H ₅ N	1.7×10 ⁻⁹
Trimethylamine	(CH ₃) ₃ N	6.4×10 ⁻⁵	Diethylamine	(C ₂ H ₅) ₂ NH	6.9×10 ⁻⁴