

# VWR AMINO ACID DERIVATIVES AND BIOLOGICAL BUFFERS



## NEW BIOPROCESS CHEMICALS. MORE PRODUCT SOLUTIONS.

**VWR BIOPROCESSING** manufactures commercial-scale biological buffers and biochemicals in addition to providing diverse sourcing capabilities. We can help you meet the increasingly rigorous sourcing and supply chain demands of the life science market.

VWR's US-based manufacturing, dedicated sales team, and service organisation allow us to offer a fully transparent and robust supply chain in a highly regulated market.

For more information on our products or VWR Custom Manufacturing Services, visit **vwr.com** or contact your VWR Sales Representative. We can help you meet your total production needs.

### Capabilities:

- Manufactured in the USA
- BSE/TSE-free
- cGMP custom packaging and testing available
- Three-lot sample availability
- Standard pack sizes for convenience
- Analytical laboratory support
- Regulatory support
- Management of change
- Supply chain transparency and audit support of raw materials manufacturers

## VWR PRODUCTION CHEMICALS COMPLEXITY SIMPLIFIED

VWR's value as a global chemical solution provider is our ability to offer reliable and transparent supply chain solutions, while managing the ever increasing complexity that your business faces, by leveraging our global strengths. Learn more at **vwr.com/production-chemicals**.



### SECURITY

MINIMISE complexity — MAXIMISE supply chain security



### SUPPLY

SIMPLIFY procurement — STRENGTHEN strategic sourcing



### SERVICES

INCREASE productivity — FOCUS on process development and manufacturing



### SUPPORT

LEVERAGE global reach — GAIN local support

This is just a selection of our most popular products. For others including amino acids/derivatives such as L-Glutamine, biological Buffers like BIS -TRIS, MES, MES Sodium Salt, MOPS, TRIS Amino, and biochemicals like guanidine Hydrochloride please contact your local VWR sales office.

## VWR Amino Acid Derivatives and Biological Buffers

Store at 15° - 30° C

Substance	EC No.	CAS No.	Formula	Mol. Wt	Pk	Cat. No.
<b>Amino Acid Derivatives</b>						
Asparagine, Anhydrous	200-735-9	70-47-3	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub>	132.12	100 g	15005.180
					1 kg	15005.297
					5 kg	15005.366
					25 kg	15005.468
L-Cystine Dihydrochloride	250-391-9	30925-07-6	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub> S <sub>2</sub> •2HCl	313.23	100 g	21502.180
					1 kg	21502.297
					5 kg	21502.366
					25 kg	21502.468
Hypoxanthine Disodium Salt	203-024-1	102-32-9	C <sub>5</sub> H <sub>2</sub> N <sub>4</sub> O•2Na	180.11	100 g	31608.180
					1 kg	31608.297
					5 kg	31608.366
					25 kg	31608.468
Hypoxanthine Sodium Salt	—	45738-97-4	C <sub>5</sub> H <sub>3</sub> N <sub>4</sub> O•Na	158.11	100 g	31752.180
					1 kg	31752.297
					5 kg	31752.366
					25 kg	31752.468
L-Lysine, Anhydrous	200-294-2	56-87-1	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>	146.19	100 g	42307.180
					1 kg	42307.297
					5 kg	42307.366
					25 kg	42307.468
L-Tyrosine Disodium Dihydrate	—	122666-87-9	C <sub>9</sub> H <sub>9</sub> NO <sub>3</sub> Na <sub>2</sub> •2H <sub>2</sub> O	261.19	100 g	87058.180
					1 kg	87058.297
					5 kg	87058.366
					25 kg	87058.468
<b>Biological Buffers</b>						
HEPES Free Acid	230-907-9	7365-45-9	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S	238.3	1 kg	30487.297
					5 kg	30487.366
					25 kg	30487.468
HEPES Sodium Salt	278-169-7	75277-39-3	C <sub>8</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> SNa	260.3	1 kg	30567.297
					5 kg	30567.366
					25 kg	30567.468
PIPES Free Acid	227-057-6	5625-37-6	C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub>	302.37	1 kg	73007.297
					5 kg	73007.366
					25 kg	73007.468
PIPES Sequisodium Salt	—	100037-69-2	C <sub>16</sub> H <sub>33</sub> N <sub>4</sub> O <sub>12</sub> S <sub>4</sub> •3Na	670.69	1 kg	73257.297
					5 kg	73257.366
					25 kg	73257.468
PIPES Disodium Salt	278-562-3	76836-02-7	C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub> Na <sub>2</sub>	346.33	1 kg	73305.297
					5 kg	73305.366
					25 kg	73305.468
TRIS Hydrochloride	214-684-5	1185-53-1	C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub> HCl	157.6	1 kg	85827.297
					5 kg	85827.366
					25 kg	85827.468



## Custom chemicals and services, supporting scientific advances for human health

When you need a custom solution, VWR offers high-quality chemicals and services, customised to your product or manufacturing needs.

Our scientists, engineers, production associates, and quality professionals manufacture custom kits, reagents, and chemical products for companies leading global initiatives to improve human health.

Core capabilities from VWR Custom Manufacturing Services include:

- Custom liquid manufacturing
- Custom liquid dosing and packaging
- Custom powder manufacturing
- Powder dosing and packaging
- Assembly and finishing

Learn more at [vwr.com/manufacturing](http://vwr.com/manufacturing)

**VWR**  **Manufacturing**  
We Enable Science Through Custom Services

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