



**Benzamidine Hydrochloride Hydrate**  
White Crystalline Powder

packaging	Mfr. No
25 g    PolyBottle	<b>BP435-25</b>
1 kg    AmberGlass	<b>BP435-1</b>
C <sub>7</sub> H <sub>8</sub> N <sub>2</sub> .HCl CAS: 1670-14-0 MW: 156.61 EINECS: 216-795-4	H335, H315, H319 P261, P302+P352, P280, P305+P351+P338
Assay .....>=99.0%	
Heavy Metals (Pb) .....<=0.005%	
Lambda Max. (in Methanol) .....230nm ±5nm	
Solubility (1% in H <sub>2</sub> O at Room Temp.) .....Clear and haze-free	
Water (internal) .....<=15%	

**Applications:** Benzamidine Hydrochloride is commonly used as a protease inhibitor.

**Recommended Storage:** 4°C

**CHAPSO**  
White Powder

packaging	Mfr. No
500 mg    AmberGlass	<b>BP575-500</b>
C <sub>32</sub> H <sub>58</sub> N <sub>2</sub> O <sub>8</sub> S CAS: 82473-24-3 MW: 630.88 H302, H312, H332, H315,	H319, H335 P280, P305+P351+P338
Assay .....>=99%	
Conductivity of a 0.5M Aqueous Solution (at 24°C) .....<=100µmhos/cm	
Optical Absorbance (1%) at 260nm .....<=0.05	
pH of 1% Aqueous Solution .....5.0-8.0	
Residue after ignition .....<=0.1%	
Solubility (10% in Water) .....Clear, haze-free	
TLC .....Comparable to reference	
Water (Karl Fischer) .....<=7.5%	

**Applications:** CHAPSO is a Zwitterionic detergent used for protein solubilization.

**Recommended Storage:** RT

**Not on TSCA inventory:** for R and D use only; not for manufacturing or commercial purposes.

**Leupeptin Hemisulfate**  
White Powder

packaging	Mfr. No
1 mg    AmberGlass	<b>BP2662-1</b>
5 mg    AmberGlass	<b>BP2662-5</b>
25 mg    AmberGlass	<b>BP2662-25</b>
100 mg    AmberGlass	<b>BP2662-100</b>
C <sub>20</sub> H <sub>38</sub> N <sub>6</sub> O <sub>4</sub> .0.5H <sub>2</sub> O <sub>4</sub> S CAS: 103476-89-7 MW: 475.6 H302, H312, H332	P280, P301+P312, P305+P351+P338, P302+P352
Assay (dry basis) .....>=95%	
pH of 10% Solution .....7.5-8.5	

**Applications:** Leupeptin Hemisulfate is a biochemical used as an inhibitor for trypsin, plasmin, papain, and cathepsin B.

**Recommended Storage:** -20°C, desiccate, protect from light.

**Not on TSCA inventory:** for R and D use only; not for manufacturing or commercial purposes.

**Thapsigargin**  
Clear or Whitish Oil

packaging	Mfr. No
1 mg    GlassAmpule	<b>BP629-1</b>
C <sub>34</sub> H <sub>50</sub> O <sub>12</sub> CAS: 67526-95-8 MW: 650.76 H311, H331, H301	P301+P310, P280, P312, P302+P350, P304+P340
Assay (TLC) .....>=98.0%	
Solubility (10mg/ml in Acetonitrile, DMSO, and Ethanol) .....To pass test	

**Applications:** This compound is useful as an inhibitor of microsomal calcium-ATPase and as a potent cell-permeable, intracellular calcium releaser that is independent of IP3.

Isolated from Thapsia garganica *ℓ*.

**Recommended Storage:** -20°C

**Not on TSCA inventory:** for R and D use only; not for manufacturing or commercial purposes.

UN 2811; DOT Class 6.1:Poison

**Brij\* 35**

packaging	Mfr. No
500 g    AmberGlass	<b>BP345-500</b>
C <sub>58</sub> H <sub>118</sub> O <sub>24</sub> CAS: 9002-92-0 MW: 1199.56 H302, H315, H319, H335	P280, P305+P351+P338, P330, P264, P301+P312
Hydroxyl Number .....40-60	
Water .....<=3.0%	

**Applications:** This nonionic detergent is used for solubilizing proteins and isolating membrane complexes.

Avg. Molecular Wt.:~600

**Recommended Storage:** RT

**Dithioerythritol**  
White Crystals or Powder

packaging	Mfr. No
5 g    PolyBottle	<b>BP173-5</b>
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub> CAS: 6892-68-8 MW: 154.24 EINECS: 229-998-8 H302, H335, H319, H315	P261, P301+P312, P302+P352, P280, P305+P351+P338
Assay .....>=99%	
Corrected Absorbance of Disulfide (S-S) in 0.02M Solution (at 285nm) .....<=0.13	
Electrophoresis .....To pass test	
IR .....Conforms to standard	
Melting Point .....83° ±2°C	

**Applications:** Dithioerythritol is used to reduce disulfide bonds in proteins and peptides and is added in low concentrations as an enzyme stabilizer during protein purification and enzymatic reactions.

**Recommended Storage:** -20°C

**Pepstatin A**  
White Powder

packaging	Mfr. No
5 mg    AmberGlass	<b>BP2671-5</b>
10 mg    AmberGlass	<b>BP2671-10</b>
25 mg    AmberGlass	<b>BP2671-25</b>
100 mg    AmberGlass	<b>BP2671-100</b>
250 mg    AmberGlass	<b>BP2671-250</b>
C <sub>34</sub> H <sub>63</sub> N <sub>3</sub> O <sub>9</sub> CAS: 26305-03-3 MW: 685.9	EINECS: 247-600-0
FTIR .....Conforms to Standard	
Melting Point .....230°-240°C	

**Applications:** Pepstatin A is an inhibitor for pepsin, renin, cathepsin D, and other acid proteases.

**Recommended Storage:** RT

**Not on TSCA inventory:** for R and D use only; not for manufacturing or commercial purposes.

**Triton\* X-100**

packaging	Mfr. No
100 mL    PolyBottle	<b>BP151-100</b>
500 mL    PolyBottle,EcoSafPak*	<b>BP151-500</b>
C <sub>34</sub> H <sub>62</sub> O <sub>11</sub> CAS: 9002-93-1 MW: 646.85 H412, H318, H302	P280, P305+P351+P338, P310, P273, P301+P312
Cloud Point (1% in H <sub>2</sub> O) .....63-69°C	
IR .....Conforms to standard	
pH of 5% Solution (at 25°C) .....6-8	
Solubility (1 in 10mL H2O) .....Colorless, slightly hazy solution	

**Applications:** This nonionic detergent is used to solubilize membranes.

**Recommended Storage:** RT

EcoSafPak\* is an environmentally friendly packaging system made of 100% recyclable material by an SFI certified supplier.

**CHAPS**  
White Crystalline Powder

packaging	Mfr. No
1 g    AmberGlass	<b>BP571-1</b>
5 g    AmberGlass	<b>BP571-5</b>
C <sub>32</sub> H <sub>58</sub> N <sub>2</sub> O <sub>7</sub> S CAS: 75621-03-3 MW: 614.9 H335, H319, H315	P261, P302+P352, P280, P305+P351+P338
Assay (TLC) .....>=98%	
Conductivity of a 10% Aqueous Solution (at 24°C) .....<50µmhos/cm	
FTIR .....Conforms to standard	
Optical Absorbance (1%) at 260nm .....<=0.1	
Optical Absorbance (1%) at 280nm .....<=0.1	
pH of 10% Solution .....5.0-7.0	
Solubility (0.5g/50mL) .....Clear and colorless liquid	

**Applications:** CHAPS is a Zwitterionic detergent used for solubilizing membrane proteins.

**Recommended Storage:** RT

**Not on TSCA inventory:** for R and D use only; not for manufacturing or commercial purposes.

**Dithiothreitol**  
White Crystals or Powder

packaging	Mfr. No
5 g    AmberGlass	<b>BP172-5</b>
25 g    AmberGlass	<b>BP172-25</b>
C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub> CAS: 3483-12-3 MW: 154.24 H302, H335, H319, H315	P261, P301+P312, P302+P352, P280, P305+P351+P338
Assay .....>=99%	
Corrected Absorbance of Disulfide (S-S) in 0.02M Solution (at 280nm) .....<=0.04	
DNase .....Not detected	
Electrophoresis .....To pass test	
IR .....Conforms to standard	
Melting Point .....41° ±2°C	
Protease .....Not detected	
RNase .....Not detected	

**Applications:** Dithiothreitol is used to reduce disulfide bonds in proteins and peptides and is added in low concentrations as an enzyme stabilizer during protein purification and enzymatic reactions.

**Recommended Storage:** -20°C

**Sarkosyl**

packaging	Mfr. No
500 g    PolyBottle	<b>BP234-500</b>
C <sub>15</sub> H <sub>28</sub> NNaO <sub>3</sub> CAS: 137-16-6 MW: 293.39	EINECS: 205-281-5
Assay (dry basis) .....>=95%	
pH of 10% Solution .....7.5-8.5	

**Applications:** This anionic detergent is used for the solubilization of membrane proteins.

**Recommended Storage:** RT

**Actinomycin-D**  
Red Crystals

packaging	Mfr. No
5 mg    PolyMicroTube	<b>BP606-5</b>
10 mg    PolyMicroTube	<b>BP606-10</b>
C <sub>62</sub> H <sub>86</sub> N <sub>12</sub> O <sub>16</sub> CAS: 50-76-0 MW: 1255.44 EINECS: 200-063-6	H301 P301+P310
Assay .....>=98.0%	
E Max .....24700	
Maximum Absorbance (lambda Max.) .....441nm	
Melting Point .....245°-252°C	
Solubility (10mg/ml in Methanol and Methylene Chloride) .....To pass test	

**Applications:** This antibiotic is a widely used transcription inhibitor.

Isolated from Streptomyces parvuius.

**Recommended Storage:** 4°C

**Not on TSCA inventory:** for R and D use only; not for manufacturing or commercial purposes.