



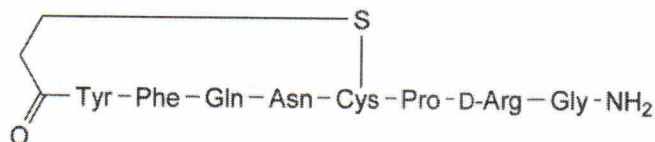
Compounding

Desmopressin Acetate EP10/USP44

Chemicals.com.au

Batch no 20250505
Mf date May 2025
Expiry Apr 2027

Sequence



Molecular Formula C₄₆H₆₄N₁₄O₁₂S₂
Molecular Weight 1069.24 (net)
CAS Registry Number 16789-98-3

Jun 05 2025

Tests	Specifications	Results
Appearance	White fluffy powder	Conforms
Identification	HPLC	Positive
Specific optical rotation	-72 ~ -82° [α] _D ²⁰ (C=1, 1% HAc)	-75.5°
Amino acid composition	Asp: 0.95 ~ 1.05 Glu: 0.95 ~ 1.05 Pro: 0.95 ~ 1.05 Gly: 0.95 ~ 1.05 Arg: 0.95 ~ 1.05 Phe: 0.95 ~ 1.05 Tyr: 0.70 ~ 1.05 Cys: 0.30 ~ 1.05	0.98 1.02 1.03 1.00 1.02 0.98 0.99 0.86
Related substances (HPLC)	Largest single impurity ≤ 0.5% Total impurities ≤ 1.5%	0.07% 0.3%
Acetate content (HPLC)	3 ~ 8%	6.8%
Water content (KF)	≤ 6.0%	3.55%
Sterility	≤ 50 cfu/100 mg	Conforms
Bacterial endotoxins	≤ 5 IU/mg	Conforms
Purity (HPLC)	≥ 98.5%	99.7%
Assay (adb, acetic acid-free)	95 ~ 105%	99.0%

Packaging & storage	Store at 2 ~ 8°C
Conclusion	Material complies with EP10/USP44