

Technical Data Sheet

Oxaliplatin

Compound Information

Product Name:	Oxaliplatin
CAS No.:	61825-94-3
Molecular Formula:	C ₈ H ₁₂ N ₂ O ₄ Pt
Molecular Weight:	395.28
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Appearance	It should be white or almost white, crystalline powder; odorless; slightly soluble in N,N'-dimethylformamid, very slightly soluble in water and methanol; almost insoluble in chloroform and aether
Microanalysis	Total aerobic microbial count ≤ 100 CFU/g; Count of Mold and Yeast fungus ≤ 10 CFU/g
Assay (Dried Basis)	98.0% ~ 102.0%
Identification	1. Weigh about 50mg of the sample, adding a few sulfocarbamide. Add sufficient water, then heat. The solution should be yellow. 2. The retention time of the major peak in the chromatogram of the Assay preparation corresponds to that in the chromatogram of
Clarity	The solution should be clear and colorless
Specific Rotation	+74.0 ~ +78.0°
Acidity	5.0 ~ 7.0
Loss on Drying	≤ 0.5%
Total Impurities	≤ 0.3%
Impurity A	≤ 0.1%
Impurity B	≤ 0.1%
Impurity C	≤ 0.1% (single impurity ≤ 0.1%; total impurity ≤ 0.1%)
Silver	≤ 5.0ppm
NMR	Pass test

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