



LKT Laboratories, Inc.

Oxaliplatin

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Product Information

Product ID O9201

CAS No. 61825-94-3

Chemical Name (SP-4-2)-[(1R,2R)-1,2-Cyclohexanediamine-κN,κN']-[ethanedioato(2-)-κO1,κO2]platinum

Synonym Oxalatoplatin, Oxalatoplatinum

Formula C₈H₁₄N₂O₄Pt

Formula Wt. 397.29

Melting Point 260° C

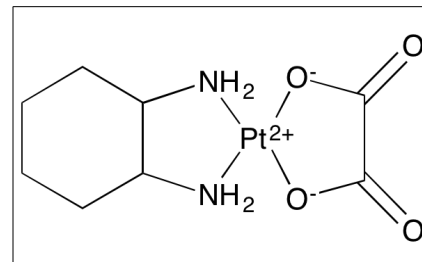
Purity ≥98%

Solubility Soluble in water (10 mM, 4 mg/mL), DMSO (50 mM or 20 mg /mL).

Store Temp -20° C

Ship Temp Ambient

Description Oxaliplatin is a platinum-based cross-linking agent that exhibits anticancer chemotherapeutic activity. Oxaliplatin inhibits DNA replication and transcription and is clinically used to treat colon cancer. In hepatocellular carcinoma cells, oxaliplatin induces S phase cell cycle arrest, downregulates expression of CDK4 and cyclin D1, upregulates expression of p21 and p53, and inhibits cellular proliferation.



Bulk quantities available upon request

Product ID	Size
O9201	5 mg
O9201	25 mg
O9201	100 mg
O9201	500 mg

References Chen X, Wu Y, Dong H, et al. Platinum-based agents for individualized cancer treatment. *Curr Mol Med*. 2013 Dec;13(10):1603-12. PMID: 24206132.

Gao J, Wang R, Yang Q, et al. Effect of Oxaliplatin on cell cycle of hepatocellular carcinoma cell line HepG2. *Zhejiang Da Xue Xue Bao Yi Xue Ban*. 2013 Jul;42(4):437-42. PMID: 24022933.

Graham J, Mushin M, Kirkpatrick P. Oxaliplatin. *Nat Rev Drug Discov*. 2004 Jan;3(1):11-2. PMID: 14756144.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.