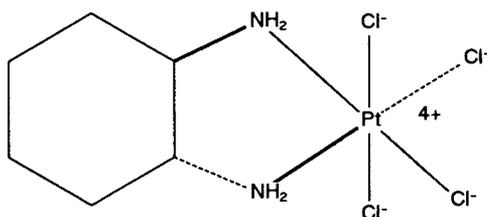


TETRAPLATIN

NSC - 363812



Chemical Name:

Tetrachloro(1,2-cyclohexanediamine-*N,N'*)platinum,[*OC*-6,22-(*trans*)]-

Other Names:

Ormaplatin (USAN); U-77-233

CAS Registry Number: 62816-98-2

Molecular Formula: C₆H₁₄Cl₄N₂Pt

M.W.: 451.1

Approximate Solubility:

(mg/mL)

H₂O

5.0 - 10.0

Stability:

Bulk:

Samples stored at 25 °C in the dark or under laboratory illumination for 90 days or at 50 °C in the dark for 90 days showed no appreciable degradation.

Solution:

The compound is unstable in aqueous solutions but is stable in normal saline for more than 24 hrs.

High Performance Liquid Chromatography:

Column: Spherisorb 5S ODS2, 250 x 4.6 mm i.d.

Mobile Phase: 2% acetonitrile in water containing
0.005 M K_2HPO_4 and 0.01 M KH_2PO_4

Flow Rate: 2 mL/min

Detection: UV at 254 nm

Sample Preparation: \approx 0.4 mg/mL in normal saline mL (I.S.)

Internal Standard: 3'-deoxyinosine (4.0 mg/mL in normal saline)

Retention Volume: 9.3 mL (NSC-363812)
17.9 mL (I.S.)

Toxicity Data:

Mouse(iv): LD_{50} : 10 mg/kg
Cancer Treatment Reports, 61,1519,(1977)