

Product Information

lopamidol, Purity $\geq 98\%$

Cat. No.: X24-09-YM1378

Size: 100 mg; 250 mg; 500 mg; 1000 mg

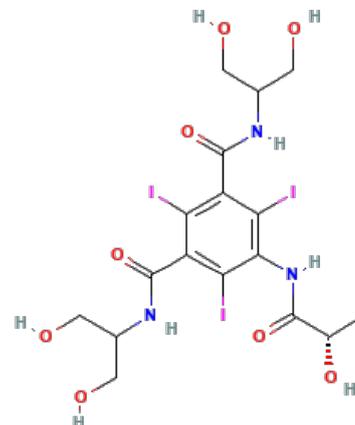
MDL: MFCD00867931

CAS Number: 60166-93-0

Compound CID: 65492

Synonym: 60166-93-0; lopamiro; Isovue; lopamiron; Niopam;

1-*N*,3-*N*-Bis(1,3-dihydroxypropan-2-yl)-5-[[[(2*S*)-2-hydroxypropanoyl]amino]-2,4,6-triiodobenzene-1,3-dicarboxamide



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	lopamidol, soluble in DMSO and water and insoluble in ethanol, is a non-ionic, water-soluble radiographic contrast agent. The molecular weight of the compound is 777.09, and its molecular formula is $C_{17}H_{22}I_3N_3O_8$.
Molecular Weight	777.09
Molecular Formula	$C_{17}H_{22}I_3N_3O_8$
IUPAC Name	1- <i>N</i> ,3- <i>N</i> -Bis(1,3-dihydroxypropan-2-yl)-5-[[[(2 <i>S</i>)-2-hydroxypropanoyl]amino]-2,4,6-triiodobenzene-1,3-dicarboxamide
InChI	InChI=1S/C17H22I3N3O8/c1-6(28)15(29)23-14-12(19)9(16(30)21-7(2-24)3-25)11(18)10(13(14)20)17(31)22-8(4-26)5-27/h6-8,24-28H,2-5H2,1H3,(H,21,30)(H,22,31)(H,23,29)/t6-m/s1
InChI Key	XQZXYNRDCRIARQ-LURJTMIESA-N
Canonical SMILES	<chem>CC(C(=O)NC1=C(C(=C(C(=C1)C(=O)NC(CO)CO)I)C(=O)NC(CO)CO)I)O</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 96 mg/mL (123.53 mM); Water: 96 mg/mL (123.53 mM); Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	lopamidol can be studied extensively for its potential therapeutic applications in the treatment of



tumors and vascular diseases.

Storage

Store at -20°C, and keep desiccated.
