Certificate of Analysis

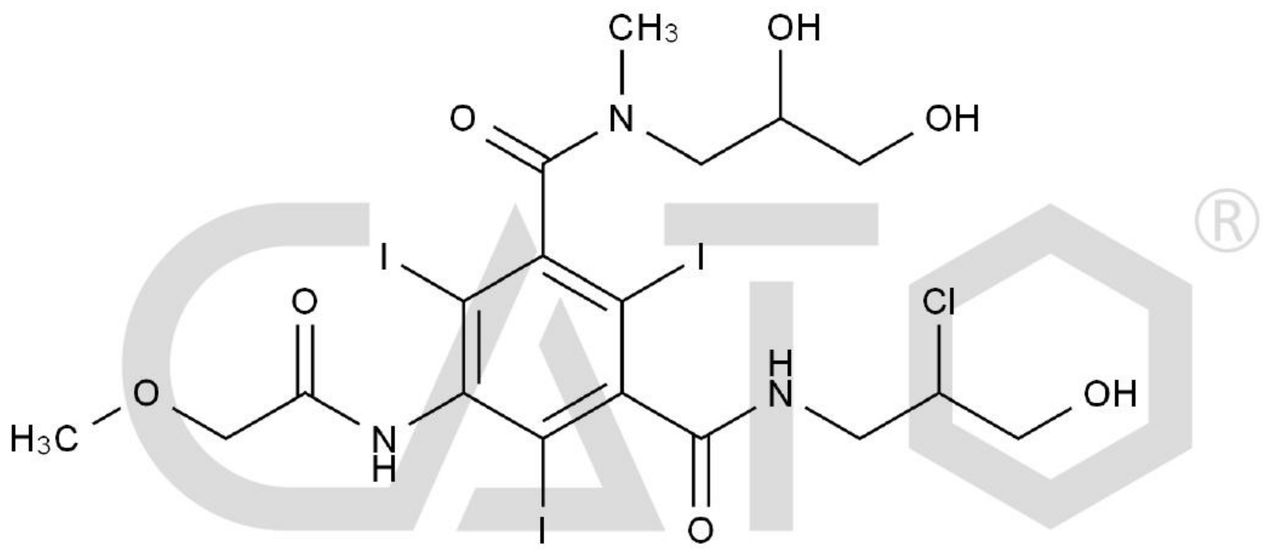
Reference Material & Standard

Product Name:	Iopromide EP Impurity G (Mixture of Diastereomers)	**Catalogue Number:**	C4X-18327
Synonyms:	N/A	**Lot Number:**	0906-RH-0048
CAS Number:	154361-53-2	**Expiry Date:**	Dec 23, 2028
Molecular Formula:	$C_{18}H_{23}ClI_3N_3O_7$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	809.56	**Shipping Condition:**	Shipping at Room Temperature

Warning:



Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.643%
Water Content	Karl Fischer	1.88%
Residual Solvents	NMR	0.19% triethylamine
Assay		96.6%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) /100%*
Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Date: Sep 08, 2026

Reviewed by: Date: Sep 08, 2026

Approved by General Manager: Date: Sep 08, 2026

CATO Research Chemicals Inc.