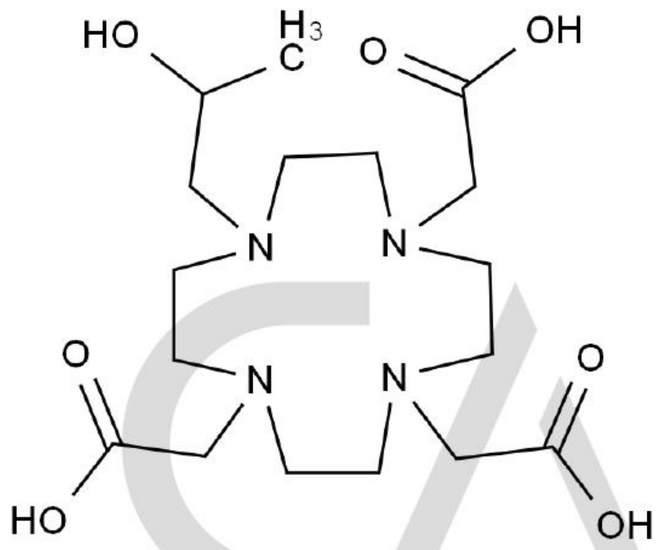
Certificate of Analysis

Reference Material & Standard

Product Name:	Gadobutrol Impurity 107	**Catalogue Number:**	C4X-2120107
Synonyms:	N/A	**Lot Number:**	1029-RH-0076
CAS Number:	120041-08-9	**Expiry Date:**	Oct 29, 2030
Molecular Formula:	$C_{17}H_{32}N_4O_7$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	404.46	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.164%
Loss on Drying	TGA	3.227%
Assay	Mass Balance	93.1%

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Comment:

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

Signature:

Prepared by: Koi — Date: Nov 11, 2026

Reviewed by: Lisa — Date: Nov 11, 2026

Approved by General Manager: David — Date: Nov 11, 2026

CATO Research Chemicals Inc.