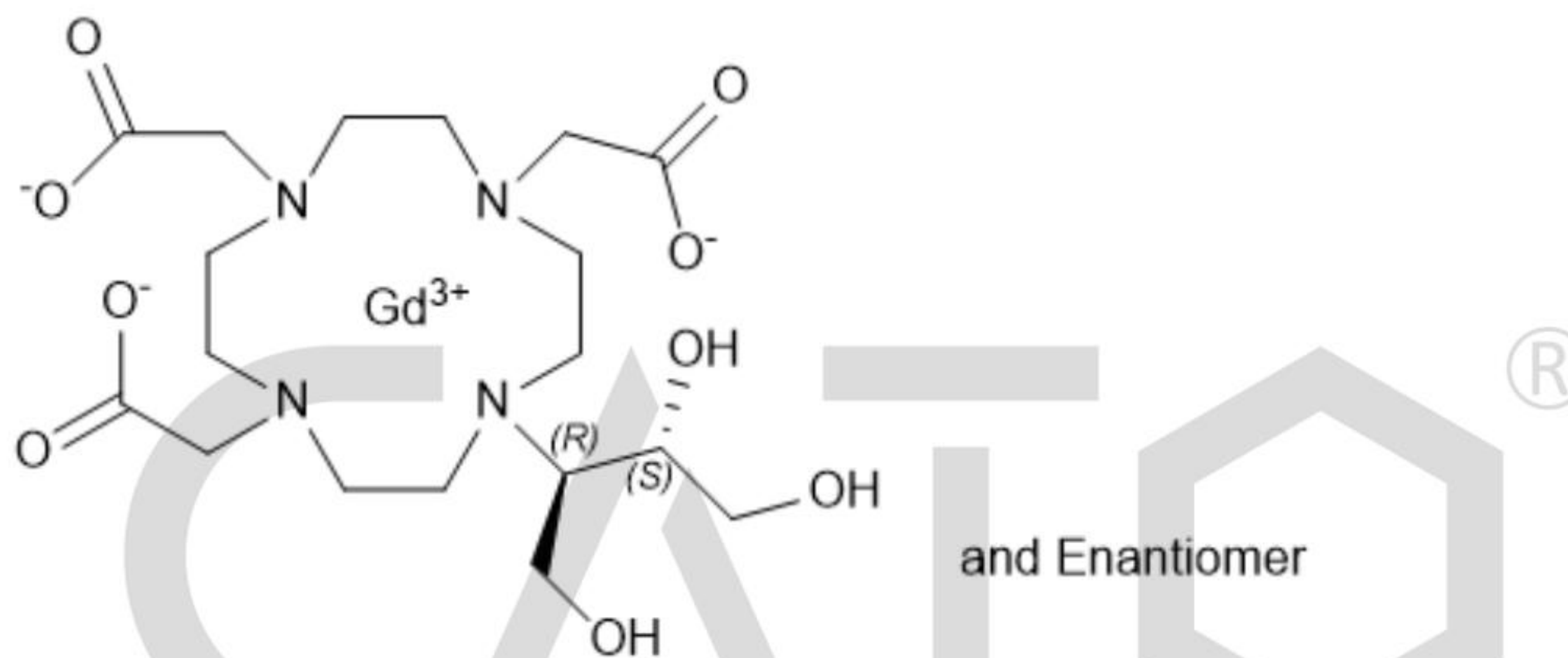


Certificate of Analysis

Reference Material & Standard

Product Name:	Gadobutrol	Catalogue Number:	C4X-2120
Synonyms:	N/A	Lot Number:	0703-RH-0009
CAS Number:	138071-82-6/770691-21-9	Expiry Date:	Jul 02, 2030
Molecular Formula:	C ₁₈ H ₃₁ N ₄ O ₉ Gd	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	447.46 157.25	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	2.88%
Residual Solvents	NMR	0.014% ethanol
Assay		97.1%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 09, 2026

Date: Jul 09, 2026

Date: Jul 09, 2026



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