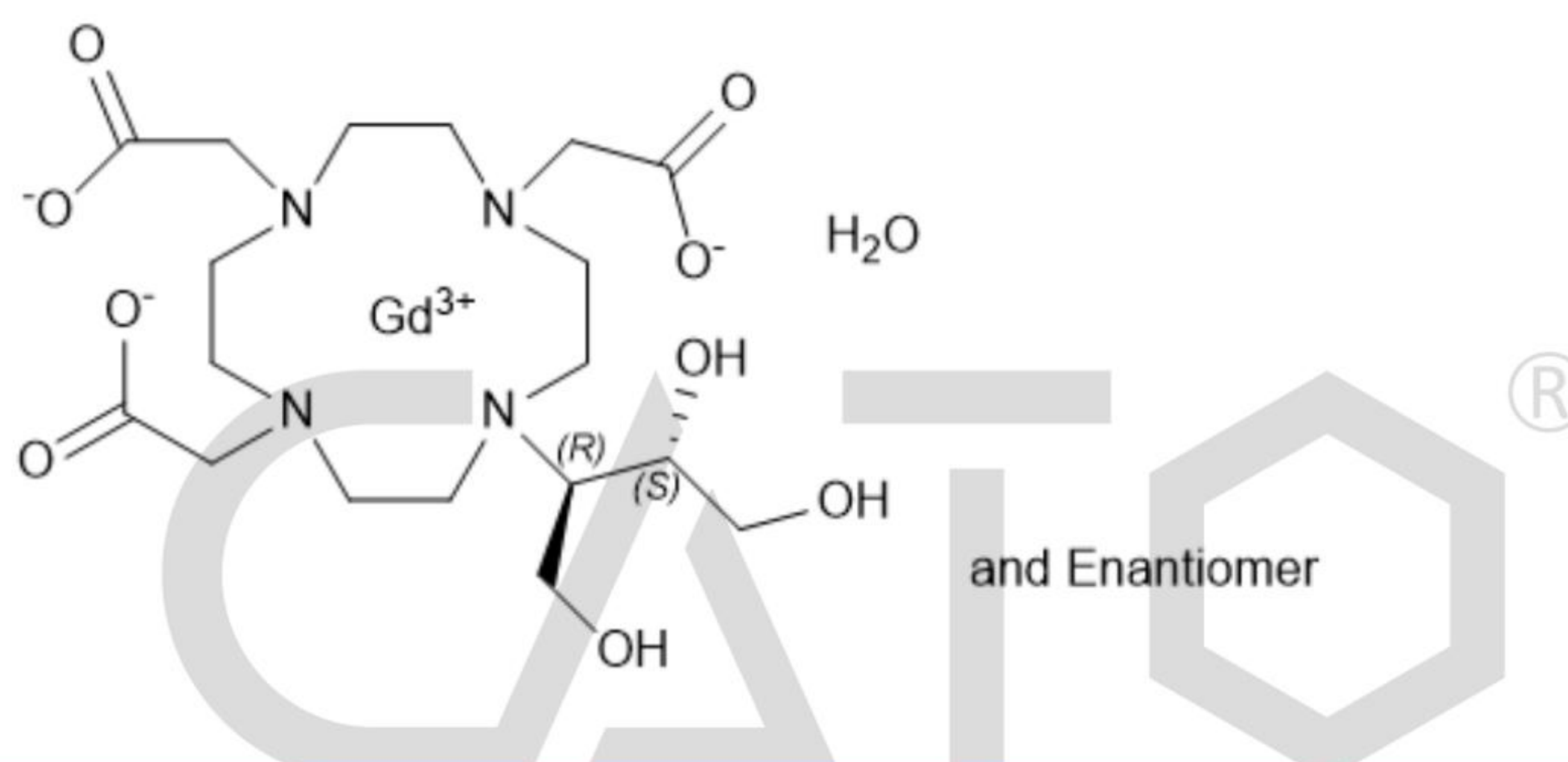


Certificate of Analysis

Reference Material & Standard

Product Name:	Gadobutrol Monohydrate	Catalogue Number:	C4X-2120124
Synonyms:	N/A	Lot Number:	0608-RH-0162
CAS Number:	198637-52-4	Expiry Date:	Jun 10, 2030
Molecular Formula:	C ₁₈ H ₃₁ N ₄ O ₉ Gd H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	447.46 157.25 18.02	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Purity	ELSD	100.000%
Water Content	Karl Fischer	2.1587%
Water Content(Free Water)		ND
Assay		100.0%

Comment:

- The content of crystal water is 2.8937%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content(Free Water)}) * \text{Purity ELSD (\%)} / 100\%$$
 Water Content(Free Water) is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 11, 2026

Date: Jun 11, 2026

Date: Jun 11, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

