Certificate of Analysis

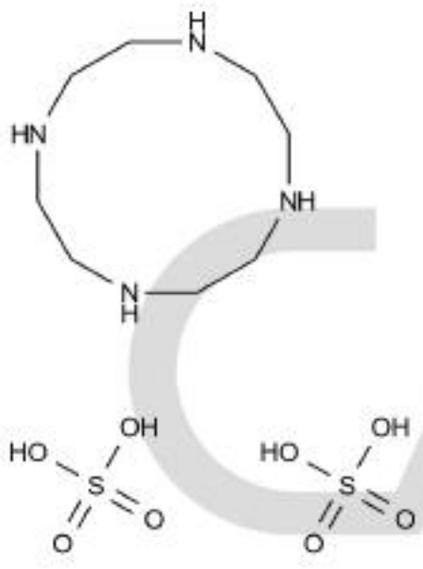
Reference Material & Standard

Product Name:	Gadobutrol Impurity 37 (Cyclen Disulfate)	**Catalogue Number:**	C1065630
Synonyms:	N/A	**Lot Number:**	0113-SA-7268
CAS Number:	112193-77-8	**Expiry Date:**	Jan 12, 29
Molecular Formula:	$C_8H_{20}N_4$ 2*H_2O_4S	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	172.27 2*98.08		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	98.498%

CATO Research Chemicals Inc.

Signature:

Prepared by: Lisa Date: Jan 13, 25

Reviewed by: Yuki Date: Jan 13, 25

Approved by General Manager: David Date: Jan 13, 25

CATO Research Chemicals Inc.

Directions:

1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.

2. Minimum sample size: 1mg is recommended as the minimum sample size.

3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.

4. Instructions for handling and correct use: Handling in a well-ventilated place.

Document Version:

Revision No.	Date	Reason for Revision
01	Jan 13, 25	First release.

CATO Research Chemicals Inc.