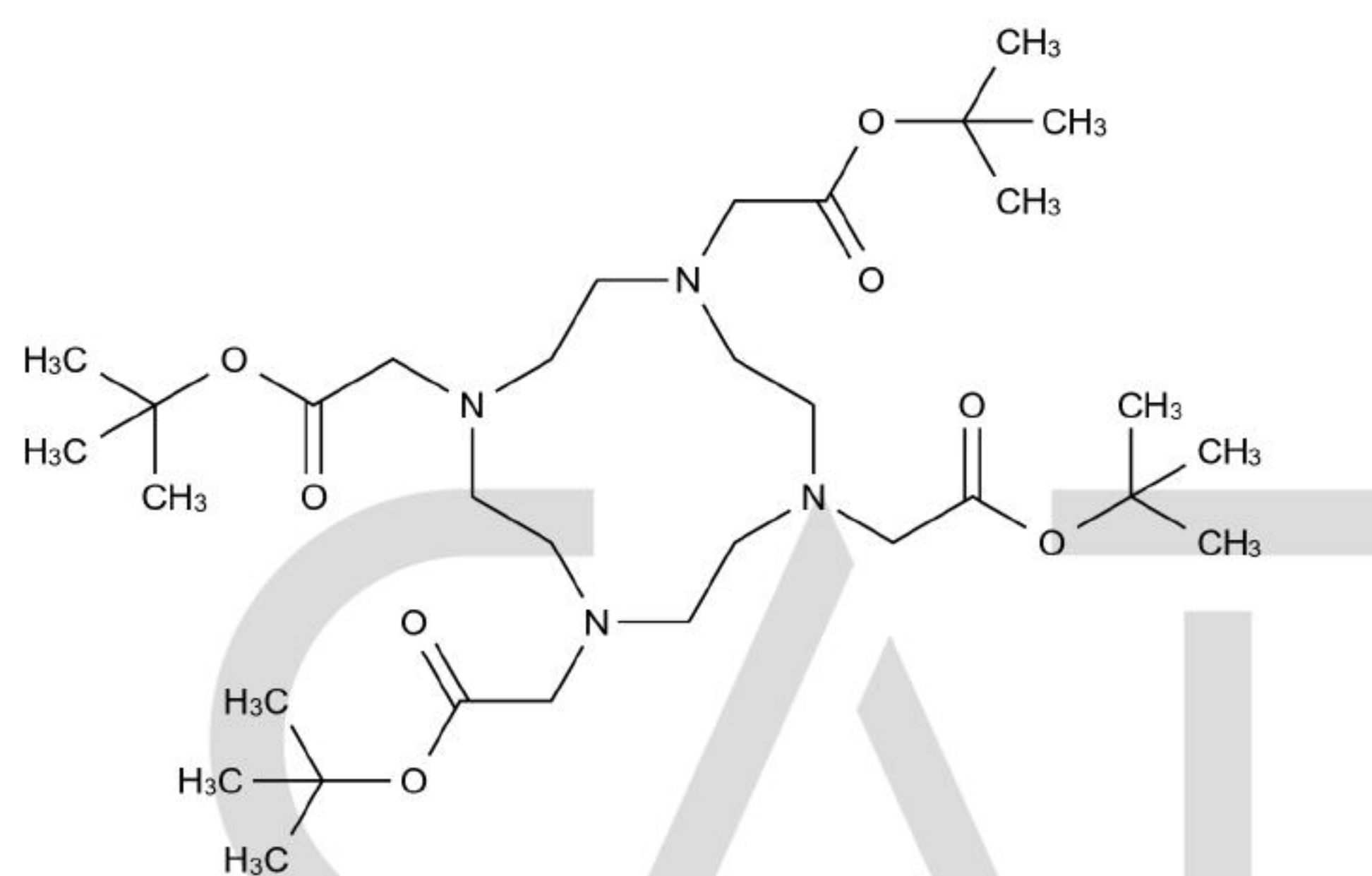


Certificate of Analysis

Reference Material & Standard

Product Name:	Gadobutrol Impurity N50	Catalogue Number:	C1824892
Synonyms:	N/A	Lot Number:	0506-RG-0057
CAS Number:	585531-74-4	Expiry Date:	May 11, 2028
Molecular Formula:	C32H60N4O8	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	628.84	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	ELSD	95.762%
Loss On Drying	TGA	3.6737%
Assay		92.2%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity ELSD (%) / 100%

Loss On Drying 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: May 12, 2025

Date: May 12, 2025

Date: May 12, 2025

