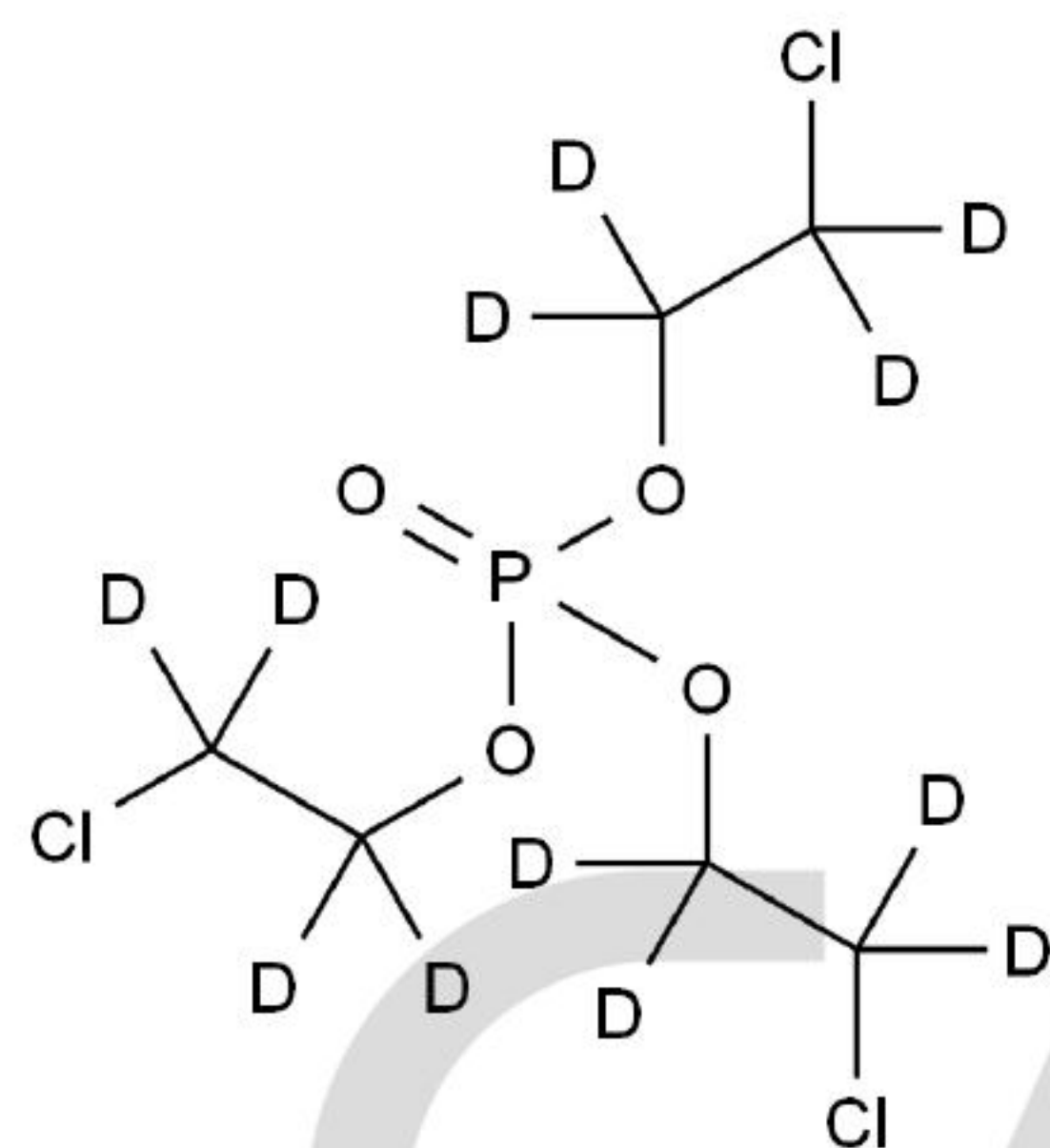


Certificate of Analysis

Reference Material

Product Name:	Tris(2-chloroethyl)phosphate-d12	Catalogue Number:	CCHM703003
Chemical Name:	N/A	Lot Number:	1111-RD-0007
CAS Number:	1276500-47-0	Expiry Date:	Jan 31, 2025
Molecular Formula:	C6D12Cl3O4P	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	297.56		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Clear Colourless Oil
Identification	LCMS&PNMR&HNMR	Confirmed
Chemical Purity	GC	96.5%
Isotopic Purity		99.2%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Xenia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Feb 21, 2018

Date: Nov 15, 2022

Date: Nov 15, 2022

