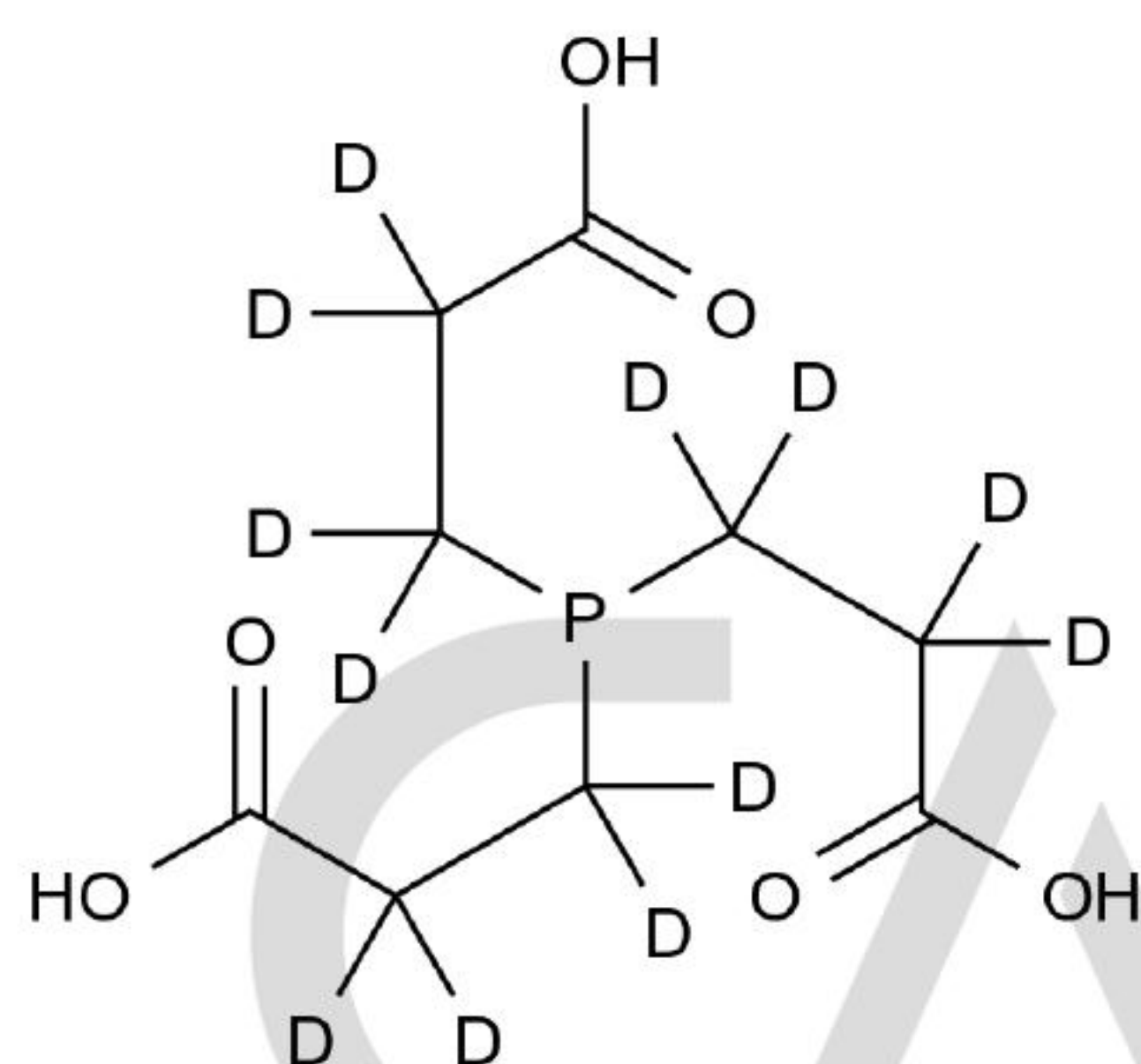


Certificate of Analysis

Reference Material & Standard

Product Name:	TCEP-d12 Hydrochloride	Catalogue Number:	CCHM705895
Synonyms:	N/A	Lot Number:	0305-RF-0086
CAS Number:	1189959-10-1	Expiry Date:	Jan 25, 2028
Molecular Formula:	C ₉ H ₃ D ₁₂ O ₆ P HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	262.26 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&PNMR&HNMR	Confirmed
Chemical Purity	ELSD	99.4%
Isotopic Purity		98.8%
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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 07, 2024

Date: Mar 07, 2024

Date: Mar 07, 2024

