

Certificate of Analysis

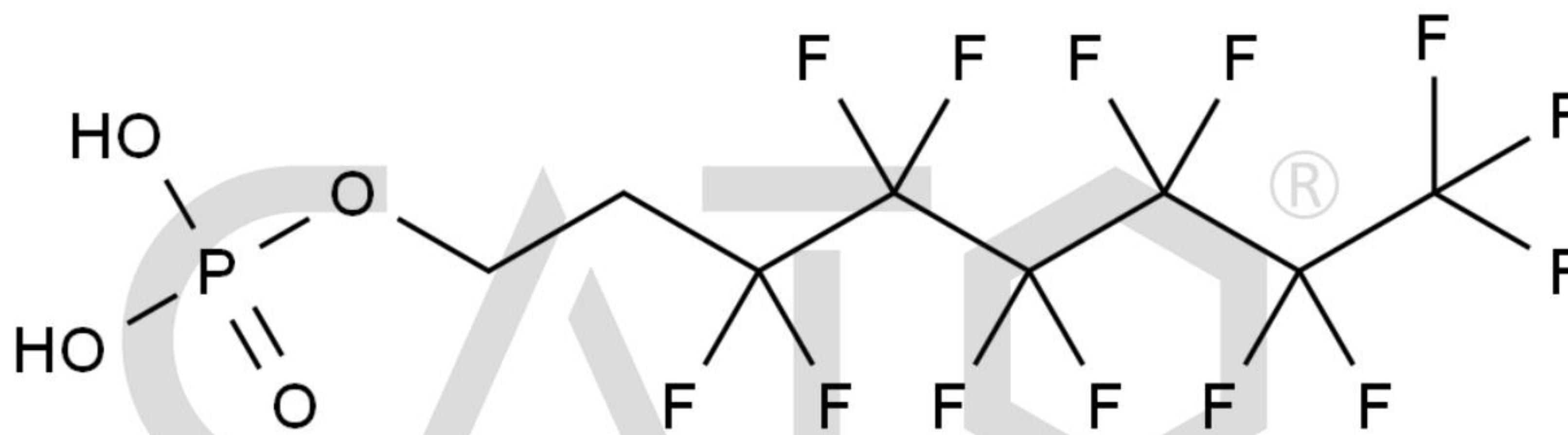
Reference Material & Standard

Product Name:	Mono[2-(perfluorohexyl)ethyl] phosphate	Catalogue Number:	CCHM704720
Synonyms:	N/A	Lot Number:	1022-RG-0056
CAS Number:	57678-01-0	Expiry Date:	Oct 27, 2029
Molecular Formula:	C ₈ H ₆ F ₁₃ O ₄ P	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	444.08	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&PNMR&FNMR&HNMR	Confirmed
Purity	GC	100.000%
Water Content	Karl Fischer	3.0702%
Assay		96.9%
Uncertainty		±0.4%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$

Water Content is considered as absolute effect, GC purity is considered as relative effect.

2. 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:

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Nice

Reviewed by:

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Approved by General Manager:

David

Date: Oct 28, 2025

Date: Oct 29, 2025

Date: Oct 29, 2025

