

Analysis Date: 02-11-2023

Re-test Date: 02-11-2026

FOSFOMYCIN EP IMPURITY D

Identification

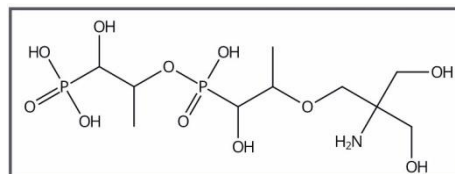
Chemical Name : [2-[[[2-[2-Amino-3-hydroxy-2-(hydroxymethyl)propoxy]-1-hydroxypropyl] hydroxyphosphoryl]oxy]- 1-hydroxypropyl]phosphonic acid

CAT No : ALL-F03771

CAS No : 1262243-12-8

Molecular Formula : C₁₀H₂₅NO₁₁P₂

Molecular Weight : 397.25



Analytical Information

Batch Code	: ALL-F03771	HPLC Purity	: 98.40%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.30%
Appearance of Product	: OFF WHITE SOLID	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.448%	¹H NMR	: Confirm
Residue Of Ignition	: 0.661%		

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.448+0.661) × 98.40]/100 = 97.30%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office