

**Analysis Date:** 10-07-2024

**Re-test Date:** 10-07-2027

### RIFAXIMIN EP IMPURITY D

**Identification**

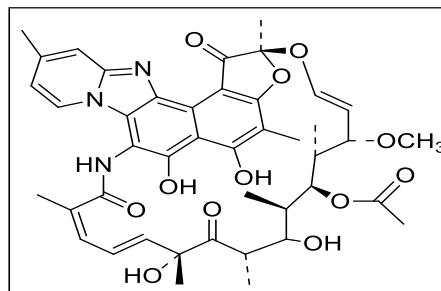
**Chemical Name** : (2S,16Z,18E,20R,21S,22R,23R,24R,25S,26R,27S,28E)-5,6,20, 21,23-Pentahydroxy-27-methoxy-2,4,11,16,20,22,24,26-octamethyl-1,15-dioxo-1,2-dihydro-2,7-(epoxypentadeca[1,11,13]-trienoimino)[1]benzofuro[4,5-e] pyrido[1,2-a]ben

**CAT No** : ALL-R06943

**CAS No** : NA

**Molecular Formula** : C43H49N3O12

**Molecular Weight** : 799.86


**Analytical Information**

<b>Batch Code</b>	: ALL-R06943	<b>HPLC Purity</b>	: 92.41 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 91.13 %
<b>Appearance of Product</b>	: Red Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.590 %	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.786 %		

**Additional Information**

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (0.590+0.786) × 92.41]/100 = 91.13 %

**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**