manasa™
Life Sciences
Quality and Reliability...
(An ISO 9001:2015 & 17034:2016 Certified Company)

Standard Material Certificate of Analysis

Product Name	Fusidic acid for peak identification CRS		
Chemical name	Ent-(17Z)-16α-(Acetyloxy)-3β,11β-dihydroxy-4β,8,14-trimethyl-18-nor-5β,10α-cholesta-17(20),24-dien-21-oic acid: (3α,4α,8α,9β,11α,13α,14β,16β, 17Z)-16-(Acetyloxy)-3,11,24,25-tetrahydroxy-29-nordammar-17(20)-en-21-oic Acid; 24,25-Dihydroxyfusidic Acid: (3R,4S,5S,8S,9S,10S,11R,13R, 14S,16S,Z)-3,11-Dihydroxy-17-((R)-6-hydroxy-7,7-dimethyl-2-oxooxepan-3-ylidene)-4,8,10,14-tetramethylhexadecahydro-1H-cyclopenta[a] phena nthren-16-yl Acetate: (24R)-24,25-Dihydro-24,25-dihydroxyfusidic Acid 21,24-lactone: (24S)-24,25-Dihydro-24,25-dihydroxyfusidic Acid 21,24-lactone : (Z)-6-Methyl-2-((3R,4S,5S,8S,9S,10S,11R,13R,14S,16S)-3,11,16-trihydroxy-4,8,10,14-tetramethylhexadecahydro-17H-cyclopenta [a]phenan thren-17-ylidene)hept-5-enoic acid: 16-(Acetyloxy)-3,11-dihydroxy-26-oxo-(3α,4α,8α,9β,11α, 13α,14β,16β,17Z)-29-nordammara-17(20),24-dien-21-oic Acid : ent-(17Z)-16α-(acetyloxy)-11β-hydroxy-4β,8,14-trimethyl- 3-oxo-18-nor-5β,10α-cholesta-17(20),24-dien-21-oic acid: (3α,4α,8α,9β,13α,14β,16β, 17Z)-16-(Acetyloxy)-3-hydroxy-11-oxo-29-nordammara-17(20),24-dien-21-oic Acid; 11-Oxofusidic Acid.		
CAS Number	**STD**- 6990-06-3 :**IMP-A**- 80445-74-5:**IMP-B**- NA:**IMP-C**- NA:**IMP-D**- NA:**IMP-N**- 13090-91-0:**IMP-F**- 1415035-94-7:**IMP-G**- 4680-37-9 :**IMP-H**- 16711-91-4		
M. Wt.	**STD**- 516.7 g/mol: **IMP-A**- 550.7 g/mol: **IMP-B**- 532.71 g/mol :**IMP-C**- 532.71 g/mol: **IMP-D**- 532.71 g/mol: **IMP-N**- 474.7 g/mol:**IMP-F**- 530.69 g/mol: **IMP-G**- 514.69 g/mol: **IMP-H**- 514.69 g/mol		
Molecular formula	$C_{31}H_{48}O_6$:$C_{31}H_{50}O_8$: $C_{31}H_{48}O_7$: $C_{31}H_{48}O_7$: $C_{31}H_{48}O_7$: $C_{29}H_{46}O_5$: $C_{31}H_{46}O_7$: $C_{31}H_{46}O_6$: $C_{31}H_{46}O_6$		
Lot Number	MLS-FUS-S.S/001	**Mfg.**	June-2026
Lot Qty.	1.0 g	**Retest**	June-2028
COA Date	04-06-2026	**Shipment & Storage**	Shipment: Room temperature. Long term storage: Refrigerator 2-8°C
EP Ref.B.No	Y0001394		
Catalogue Number	MLS-FUS-S.S		

S. No.	Test Name	Specifications	Results
1	Description	White to off-white solid	Complies
2	HPLC	All peaks should be present	

Note:

1. This standard material can be used for qualitative analysis only.
2. Potency Calculation: Potency % = [(100-(Water content by KF)) x (100-% Total Impurities by HPLC)]/100.
3. Caution: Do not dry the material. Use as such. Only for analytical purpose, not for human consumption
4. Traceability: Weigh measurements are done on the balance calibrated with OIML R 111-1 (E) compliant weights, Volumetric measurements and others determinations are traceable to SI units, Gravimetric determinations are traceable to NIST standards.
5. Expanded Uncertainty: 0.22%

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