

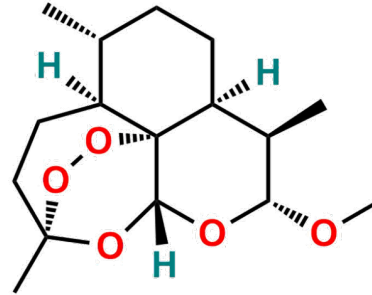
Analysis Date: 24-12-2025

Re-test Date: 24-12-2028

ARTEMETHER IP IMPURITY D

Identification

Chemical Name	: (3R,5aS,6R,8aS,9R,10R,12R,12aR)-Decahydro-10-methoxy-3,6,9-trimethyl-3,12-epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin
CAT No	: ALL-ART-510
CAS No	: 71939-51-0
Molecular Formula	: C ₁₆ H ₂₆ O ₅
Molecular Weight	: 298.37



Analytical Information

Batch No.	: ALL-ART-510	HPLC Purity	: 98.00%
Solubility	: USP Diluent / EP Diluent (MEOH)	Potency	: 97.74%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: -20°C	IR Analysis	: Confirm
Weight Loss By TGA	: 0.115%	¹H NMR	: Confirm
Residue Of Ignition	: 0.148%		

Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.115 + 0.148) \times 98.00] / 100 = 97.74\%$$

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 specified

Corporate Office