

Analysis Date: 24-12-2025

Re-test Date: 24-12-2028

## ARTEMETHER IP IMPURITY C

### Identification

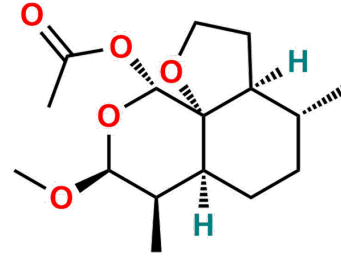
**Chemical Name** : (3aS,4R,6aS,7R,8S,10R,10aR)-Octahydro-8-methoxy-4,7-dimethyl-2H,10H-furo[3,2-i][2]benzopyran-10-ol 10-acetate

**CAT No** : ALL-ART-643

**CAS No** : 181528-64-3

**Molecular Formula** : C<sub>16</sub>H<sub>26</sub>O<sub>5</sub>

**Molecular Weight** : 298.37



### Analytical Information

<b>Batch No.</b>	: ALL-ART-643	<b>HPLC Purity</b>	: 98.00%
<b>Solubility</b>	: USP Diluent / EP Diluent (MEOH)	<b>Potency</b>	: 97.74%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: -20°C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.115%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.148%		

### Additional Information

**%Potency** = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
 [100 - (:0.115+0.148) × 98.00]/100 = 97.74%

**Recommendation** : Released

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

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office