

**Certificate of Analysis**Certificate No.: **20151216V**

Date: December 16, 2015

Retest date: December 14, 2018

Compound Name: Dehydro Ivabradine (Ivabradine IVA-3 Impurity)		 <chem>COC1=CC=C(OC)C=C1[C@H]2C=CC(=O)N(CCCN(C)C)C2</chem>
TLC Catalogue Number:	I-309	
CAS Number:	1086026-31-4	
Molecular Weight:	466.58	
Molecular Formula:	C ₂₇ H ₃₄ N ₂ O ₅	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	2146-014A9	
Storage Conditions:	Store at 2-8 °C.	

Test Description	Specifications	Results
Visual Description	Off-white solid	Conforms
Identification		
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 98.0%	99.3%
Recommendation:	Released. The compound contains 0.8% methanol according to its proton NMR.	

Name	Department	Signature	Date
Reviewed and approved by:	Analytical Services		
Approved by:	Quality Assurance		

Attachments: HPLC, MS and NMR spectra.