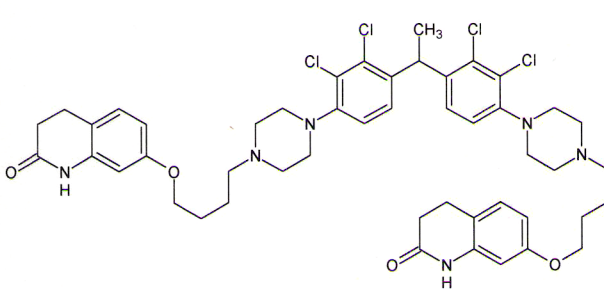
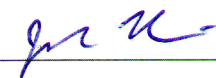


COMPOUND NAME:	Aripiprazole-4,4'-Dimer	
CLASSIFICATION:	Impurity Standard	
MOLECULAR FORMULA	C ₄₈ H ₅₆ Cl ₄ N ₆ O ₄	
FORMULA WEIGHT	992.81 g mol ⁻¹	
RECOMMENDED STORAGE	Refrigerate	

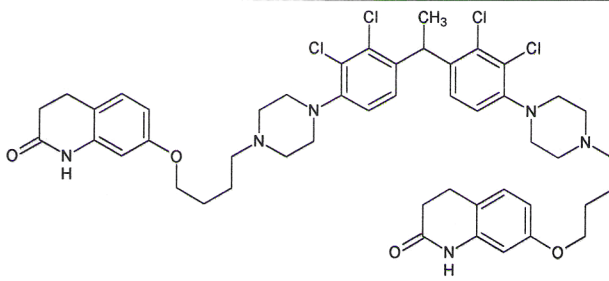
CATALOG NUMBER	LOT NUMBER	RETEST DATE
ARI-12-002	ARI-13-I397-AC17-01	June 15, 2016

TEST	METHOD	RESULT
Appearance	Visual	Off-white solid
Identification	Proton NMR	Conforms
Identification	Mass Spectrum (ESI ⁺)	[MH ₂] ²⁺ : 461.1621
Identification	MS High Resolution (TOF-ESI ⁺)	m/z [M] ²⁺ Theoretical (C ₄₈ H ₅₈ Cl ₄ N ₆ O ₄): 461.1631 Found: 461.1621
Chromatographic Purity	HPLC; λ = 254 nm	97.8%

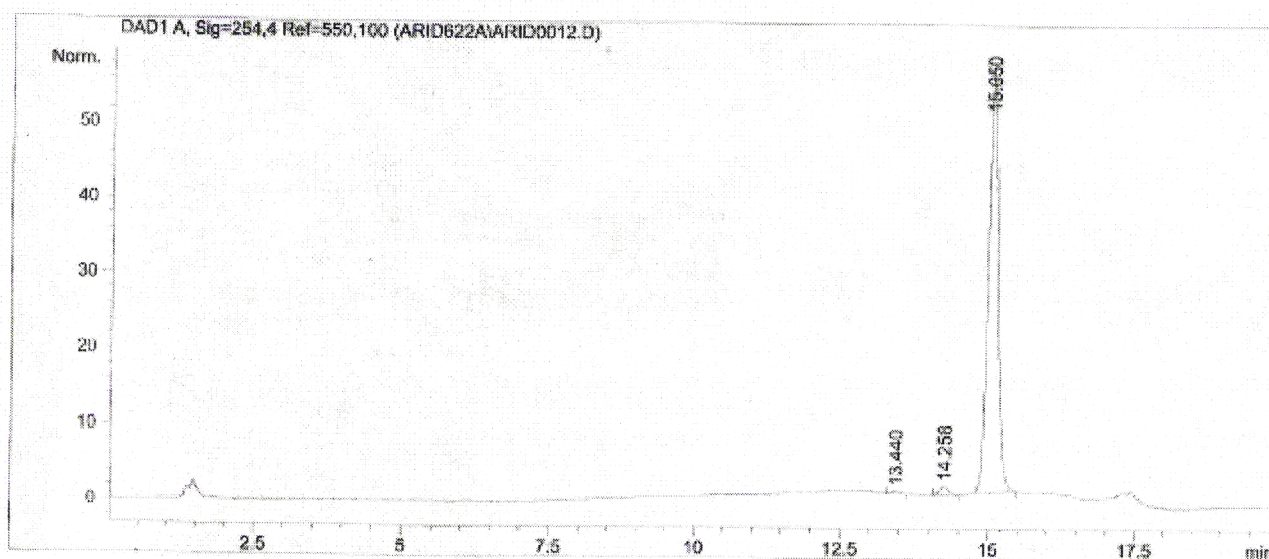

 Approval Signature
 Quality Assurance
 John Tobin

July 22, 2015

Date

Aripiprazole-4,4'-Dimer (Cat No. ARI-12-002)		
Lot Number:	ARI-13-I397-AC17-01	
Molecular Formula	C ₄₈ H ₅₆ Cl ₄ N ₆ O ₄	

HPLC Chromatogram of Aripiprazole-4,4'-Dimer, lot ARI-13-I397-AC17-01



Signal 1: DAD1 A, Sig=254,4 Ref=550,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	13.440	PBA	0.1215	3.06873	4.00147e-1	0.4672
2	14.258	PBA	0.1515	11.46741	1.15818	1.7460
3	15.050	BBA	0.1798	642.24091	55.16727	97.7867

Totals : 656.77705 56.72560

Total related impurities: 2.2%

Assigned chromatographic purity = 97.8%