

CERTIFICATE OF ANALYSIS

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1. Identificati	on						
Catalogue Number:	D28874	10	CAS Number:	11197	/4-74-4		
Product:		2-(2-hydroxyethoxy)ethyl] bine Dihydrochloride	Synonym:	11-(1-Piperazinyl)-dibenzo[b,f][1,4]thiazepine Dihydrochloride; DBTP; Norquetiapine; Quetiapine EP Impurity B;			
Structure:		∕—NH		Molecular Formula: C17H17N3S • 2HCl Molecular weight: 295.4 + 2(36.46)			
	\square			Source of Product:			
				Synthetic			
		0		Solubility: DMSO (Slightly, Heated, Sonicated), Ethanol (Slightly,			
				Heate	ed), Methanol (Sl	ight	
Lot Number:	19-XJZ	-9-1	Purity:	96%			
		oduct Is Stable To Be d At Room Temperature	Storage Condition:	-20°C			
2. Warning Warning 1: Warning 2: Warning 3:							
3. Analytical I		-			training 5.		
Tests:		Specifications:		Res	sults:		
Appearance		White to Pale Yellow Solid		Off	Off-White Solid		
NMR		Conforms to Structure		Co	Conforms		
MS		Conforms to Structure		Co	Conforms		
Elemental Analysis		Conforms		%0	%C: 56.48, %H: 5.38, %N: 11.57		
Chloride Co	ontent	Report Result		16	16.8%		
Additional	Informat	ion: N/A					
Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.							
4. Signatures							
Reviewed	Ву	Reviewed By B	of A Appro y	ved	Test Date	Retest Date	
Nicole Yip		Toni Rantanen M	ly Nguyen		3/1/2021	2/28/2028	
W/M		Here -	ubmy				