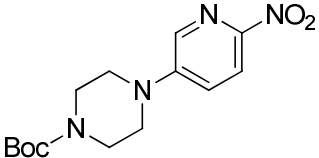



CERTIFICATE OF ANALYSIS

Order number: Lab/10/16-17

Product Name	1-BOC-4-(6-NITROPYRIDIN-3-YL)PIPERAZIN		
CAS #	571189-16-7	CAT #	CPDD105
Manufacture Date	Sep. 04, 2015	Compound Structure 	
Batch #	CPD20160525		
Re-test Date	May 27, 2016		

Tests	Specifications	Test Results
Appearance	Yellow solid	Yellow solid
Solubility	Soluble in DMSO, not soluble in water	Complies
Purity(HPLC) (C18,UV=210nm, 1.0mL/min)	Not less than 98.0%	98.17% 
EE by HPLC	-	-
Water content(KF)	Not more than 1.0%	0.4%
Ordinary impurities	Total impurity ≤ 2.0%	1.83%
	Single impurity ≤ 1.0%	0.69%
Storage condition	Short term storage (weeks): 0- 4 °C under dry condition Long term storage (months): -20 °C under dry condition	
Shelf life	At least 5 years if properly stored.	
Conclusion	Comply with in-house standard	

QA: Shuowen Wang

Date: May-27-2016