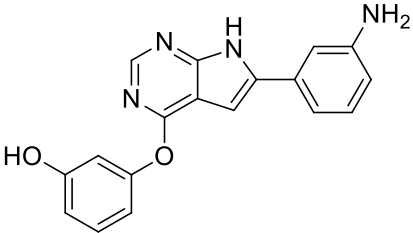




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
407162	TWS119	BBC51130

Chemical name	
3-((6-(3-aminophenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)oxy)phenol	
Synonyms	
TWS-119; TWS119; TWS 119.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 407162 Name: TWS-119 CAS#: 601514-19-6 (free base); 1507095-58-0 (2 TFA salt) Lot#: BBC51130 Chemical Formula: C ₁₈ H ₁₄ N ₄ O ₂ Exact Mass: 318.11168 Molecular Weight: 318.34

Analysis item	Specifications / Results
Appearance	Off white to light pink solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98.0%
Solubility	Soluble in DMSO, not soluble in water
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE