## **CERTIFICATE OF ANALYSIS**

(Certificate No. KMP001001-01)

**Release Date: Re-test Date:** 

# **Palbociclib Impurity 1**

#### **Identification**

**Chemical Name:** 

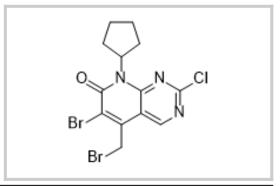
6-Bromo-5-(bromomethyl)-2-chloro-8-cyclopentylpyrido[2, 3-d]pyrimidin-7(8H)-one

: KMP001001 CAT No.

CAS No. : 2324831-15-2

**Molecular Formula** : C13H12Br2ClN3O

**Molecular Weight** : 421.51



### **Analytical Information**

**HPLC Purity** 

Batch No. : PAL-IMP1-073 **Solubility** : Methanol

: Off white solid **Description Mass** : Should be

Confirm

IR : Should be % Potency : 95 %

Confirm

1H NMR : Should be

Confirm

#### **Additional Information**

**Long Term Storage** : Store at 2-8 deg. C for long term storage

: NLT 95 %

**Shipping Condition** : Product is stable to be shipped at room temperature

**% Potency =** [100 - ] x [95(HPLC Purity)]/100 = 95 %

|                        | Department      | Name | Signature | Date |
|------------------------|-----------------|------|-----------|------|
| Prepared By            | Analytical      |      |           |      |
| Reviewed & Approved By | Quality Control |      |           |      |