**1. PHYSICAL AND CHEMICAL PROPERTIES**

- **Batch Molecular Formula:** $\text{C}_{26}\text{H}_{20}\text{F}_3\text{N}_7\text{O}\cdot\text{CF}_3\text{CO}_2\text{H}
- **Batch Molecular Weight:** 617.5
- **Physical Appearance:** Off-white solid
- **Solubility:** DMSO to 40 mM
- **Storage:** Store at -20°C

**Batch Molecular Structure:**

![Molecular Structure Image]

**2. ANALYTICAL DATA**

- **HPLC:** Shows 98.9% purity
- **$^1\text{H NMR:}$** Consistent with structure
- **Mass Spectrum:** Consistent with structure
Product Name: NVP BHG 712 trifluoroacetate
Catalog No.: 4405
Batch No.: 1

CAS Number: 940310-85-0
IUPAC Name: 4-Methyl-3-[[1-methyl-6-(3-pyridinyl)-1H-pyrazolo[3,4-d]pyrimidin-4-yl]amino]-N-[3-(trifluoromethyl)phenyl]benzamide trifluoroacetate

Description:
Selective inhibitor of EphB4 kinase; exhibits selectivity for EphB4 over more than 40 other kinases in vitro, including FGFR3. Inhibits EphB4 autophosphorylation in transiently transfected HEK 293 cells. Also inhibits VEGF-induced angiogenesis in vivo; thought to inhibit EphB4 forward signaling. Orally active.

Physical and Chemical Properties:
Batch Molecular Formula: C_{26}H_{20}F_{3}N_{7}O_{2}CF_{3}CO_{2}H
Batch Molecular Weight: 617.5
Physical Appearance: Off-white solid

Minimum Purity: >98%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 40 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: