1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( \text{C}_{20}\text{H}_{23}\text{FN}_{4}\text{OS}.2\text{HCl}.\text{H}_{2}\text{O} \)

Batch Molecular Weight: 477.43

Physical Appearance: Yellow solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99% purity

\(^1\text{H} \text{ NMR:} \) Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

\[
\begin{array}{ccc}
\text{Carbon} & \text{Hydrogen} & \text{Nitrogen} \\
\text{Theoretical} & 50.32 & 5.7 & 11.74 \\
\text{Found} & 50.43 & 5.57 & 11.6 \\
\end{array}
\]
**Phortress**

**Catalog No.:** 4995  
**Batch No.:** 1

**Product Name:** Phortress  
**CAS Number:** 328087-38-3  
**IUPAC Name:** (2S)-2,6-Diamino-N-[4-(5-fluoro-2-benzothiazolyl)-2-methylphenyl]hexanamide dihydrochloride

**Description:**
Prodrug of the antitumor agent 5F 203, which acts via binding to aryl hydrocarbon receptors. Induces expression of CYP1A1 and generates adducts in the DNA of sensitive MCF7 and IGROV-1 cells.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C_{20}H_{23}FN_{4}OS\cdot2HCl\cdotH_{2}O
- **Batch Molecular Weight:** 477.43
- **Physical Appearance:** Yellow solid
- **Minimum Purity:** >98%

**Storage:** Store at -20°C

**Solubility & Usage Info:**
- **DMSO to 100 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 the 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:**