1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** $C_{21}H_{19}ClN_4O_2\cdot2HCl\cdot\frac{1}{2}H_2O$
- **Batch Molecular Weight:** 476.79
- **Physical Appearance:** Pale yellow solid
- **Solubility:** DMSO to 50 mM
- **Storage:** Desiccate at +4°C

2. ANALYTICAL DATA

- **TLC:** $R_f = 0.3$ (Ethyl acetate:Methanol [9:1])
- **HPLC:** Shows 99.8% purity
- **$^1H$ NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - Theoretical: 52.9  4.65  11.75
  - Found: 53.09  4.73  11.7

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: SB 242084  
Catalog No.: 2901  
Batch No.: 3

**CAS Number:** 1049747-87-6  
**IUPAC Name:** 6-Chloro-2,3-dihydro-5-methyl-N-[6-[(2-methyl-3-pyridinyl)oxy]-3-pyridinyl]-1H-indole-1-carboxyamide dihydrochloride

**Description:**
5-HT<sub>2C</sub> receptor antagonist that displays 158- and 100-fold selectivity over 5-HT<sub>2A</sub> and 5-HT<sub>2B</sub> receptors respectively. Also displays selectivity over a range of other 5-HT, dopamine and adrenergic receptors. Brain penetrant; exerts anxiolytic-like activity.

**Physical and Chemical Properties:**
- **Batch Molecular Formula:** C<sub>21</sub>H<sub>19</sub>ClN<sub>4</sub>O<sub>2</sub>-2HCl.½H<sub>2</sub>O
- **Batch Molecular Weight:** 476.79
- **Physical Appearance:** Pale yellow solid
- **Minimum Purity:** ≥99%

**Storage:** Desiccate at +4°C

**Solubility & Usage Info:**
DMSO to 50 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.

**Licensing Information:**
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**References:**