Product Name: SKPin C1
Catalog No.: 4817 Batch No.: 1
CAS Number: 432001-69-9
IUPAC Name: 2-[4-Bromo-2-[[4-oxo-3-(3-pyridinylmethyl)-2-thioxo-5-thiazolidinylidene)methyl]phenoxy]acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: \( C_{18}H_{13}BrN_2O_4S_2 \)
   Batch Molecular Weight: 465.34
   Physical Appearance: Yellow solid
   Solubility: DMSO to 10 mM
   Storage: Store at +4°C

2. ANALYTICAL DATA

   HPLC: Shows 99% purity
   \(^1\)H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
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<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
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<tr>
<td>Theoretical</td>
<td>46.46</td>
<td>2.82</td>
<td>6.02</td>
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<tr>
<td>Found</td>
<td>46.3</td>
<td>2.93</td>
<td>5.86</td>
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</table>

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**Product Information**  
www.tocris.com

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**Description:**
Inhibitor of Skp2-mediated p27 degradation. Induces p27 accumulation in metastatic melanoma cell lines. Promotes G₁/S cell cycle arrest in T47D cells and LNCaP cells; induces G₂/M cell cycle arrest in MCF-7 cells.

**Physical and Chemical Properties:**
- Batch Molecular Formula: C₁₉H₁₃BrN₂O₄S₂
- Batch Molecular Weight: 465.34
- Physical Appearance: Yellow solid
- Minimum Purity: >98%
- Storage: Store at +4°C

**Batch Molecular Structure:**
![Molecular Structure Diagram]

**Solubility & Usage Info:**
- DMSO to 10 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:**

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