

Certificate of Analysis

www.tocris.com

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: C₁₈H₁₃BrN₂O₄S₂

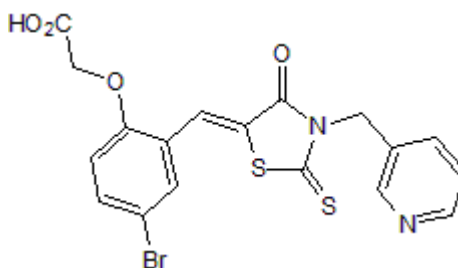
Batch Molecular Weight: 465.34

Physical Appearance: Yellow solid

Solubility: DMSO to 10 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	46.46	2.82	6.02
Found	46.3	2.93	5.86

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Information

www.tocris.com

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

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:

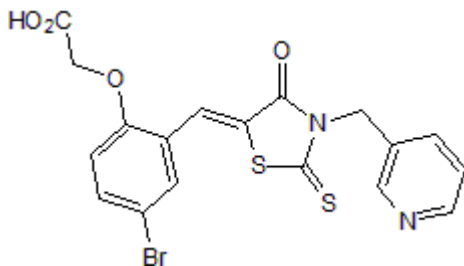
Batch Molecular Formula: C₁₈H₁₃BrN₂O₄S₂

Batch Molecular Weight: 465.34

Physical Appearance: Yellow solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

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:

Rico-Bautista and Wolf (2012) Skipping cancer: small molecule inhibitors of SKP2-mediated p27 degradation. *Chem.Biol.* **19** 1497. PMID: 23261592.

Wu et al (2012) Specific small molecule inhibitors of Skp2-mediated p27 degradation. *Chem.Biol.* **19** 1515. PMID: 23261596.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956