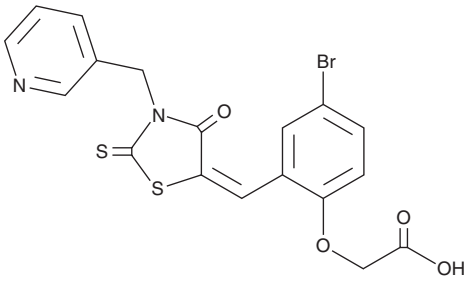
PRODUCT INFORMATION

SKPin C1

Item No. 26141

CAS Registry No.:	432001-69-9
Formal Name:	2-[4-bromo-2-[[4-oxo-3-(3-pyridinylmethyl)-2-thioxo-5-thiazolidinylidene]methyl]phenoxy]-acetic acid
MF:	$C_{18}H_{13}BrN_2O_4S_2$
FW:	465.3
Purity:	≥98%
UV/Vis.:	λ_{max}: 389 nm
Supplied as:	A crystalline solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

SKPin C1 is supplied as a crystalline solid. A stock solution may be made by dissolving the SKPin C1 in the solvent of choice. SKPin C1 is soluble in the organic solvent DMSO, which should be purged with an inert gas, at a concentration of approximately 10 mg/ml.

Description

SKPin C1 is an inhibitor of Skp1-Cullin1-F-box (SCF) family protein Skp2-mediated p27 degradation.[1] It binds to Skp2 at the Cdc kinase subunit 1 (Cks1) interaction interface and blocks ubiquitylation of p27 in a Cks1-dependent manner *in vitro* when used at a concentration of 50 µM. SKPin C1 increases nuclear accumulation of p27 in ECC-1 endometrial carcinoma cells.[2]

References

1. Wu, L., Grigoryan, A.V., Li, Y., *et al.* Specific small molecule inhibitors of Skp2-mediated p27 degradation. *Chem. Biol.* **19(12)**, 1515-1524 (2012).
2. Pavlides, S.C., Huang, K.-T., Reid, D.A., *et al.* Inhibitors of SCF-Skp2/Cks1 E3 ligase block estrogen-induced growth stimulation and degradation of nuclear p27kip1: Therapeutic potential for endometrial cancer. *Endocrinology* **154(11)**, 4030-45 (2013).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM