



Bikinin

Cat. No.:	OB0225WX-2136
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	10 mg; 25 mg; 50 mg; 100 mg; 200 mg; 500 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Bikinin is a potent inhibitor of plant GSK-3/Shaggy-like kinases that activates brassinosteroid (BR) signaling downstream of the receptor.
Synonym	Abrasin; 188011-69-0; 4-((5-Bromopyridin-2-yl)amino)-4-oxobutanoic acid; 4-[(5-bromopyridin-2-yl)amino]-4-oxobutanoic acid; <i>N</i> -(5-Bromo-pyridin-2-yl)-succ inamic acid; n-(5-bromopyridin-2-yl)succinamic acid; 4-(5-bromopyridin-2-ylamino)-4-oxobutanoic acid; Abrasin; Bikinin; Abrasin; SX2; MFCD00116442; 3-[(5-bromopyridin-2-yl)carbonyl]propanoic acid; 4-[(5-Bromo-2-pyridyl)amino]-4-oxobutyric Acid; 4-[(5-bromo-2-pyridinyl)amino]-4-oxobutanoic acid; 4-[(5-bromo-2-pyridyl)amino]-4-oxobutanoic acid; Butanoic acid, 4-[(5-bromo-2-pyridinyl)amino]-4-oxo-
CAS No.	188011-69-0
Compound CID	647833
Formula	C ₉ H ₉ BrN ₂ O ₃
Formula Weight	273.08

Specification

Relative Density	1.711 g/cm ³
IUPAC Name	4-[(5-Bromopyridin-2-yl)amino]-4-oxobutanoic acid
InChI	InChI=1S/C9H9BrN2O3/c10-6-1-2-7(11-5-6)12-8(13)3-4-9(14)15/h1-2,5H,3-4H2,(H,14,15)(H,11,12,13)
InChI Key	XFYYQDHEDOXWGA-UHFFFAOYSA-N



SMILES string	<chem>C1=CC(=NC=C1Br)NC(=O)CCC(=O)O</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Bikinin is used in plant molecular biology research as a specialized inhibitor of Shaggy-like kinases to investigate the modulation of brassinosteroid signaling and plant growth regulation.

Library Information

Target	GSK-3
Receptor	GSK-3; Shaggy-like kinase
Pathways	Stem cells; PI3K/Akt/mTOR signaling
Plate Number	AOCL-28
Plate Location	c11
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	45 mg/mL; 164.79 mM
Water Max Solubility	<1 mg/mL (insoluble or slightly soluble)
Ethanol Max Solubility	<1 mg/mL (insoluble or slightly soluble)