

Product Name: A66

Catalog No.: 5595

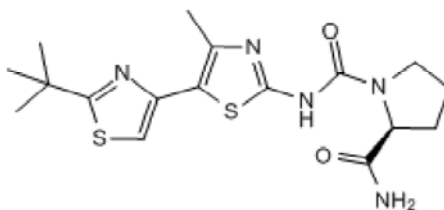
Batch No.: 1

CAS Number: 1166227-08-2

IUPAC Name: (2S)-N¹-[2-(1,1-Dimethylethyl)-4'-methyl[4,5'-bithiazol]-2'-yl]-1,2-pyrrolidinedicarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₂₃N₅O₂S₂
Batch Molecular Weight: 393.53
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.89	5.89	17.8
Found	51.87	5.9	17.47

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

Product Name: A66

Catalog No.: 5595

Batch No.: 1

CAS Number: 1166227-08-2

IUPAC Name: (2S)-N¹-[2-(1,1-Dimethylethyl)-4'-methyl[4,5'-bithiazol]-2'-yl]-1,2-pyrrolidinedicarboxamide

Description:

Potent and selective PI 3-kinase p110 α inhibitor (IC₅₀ = 32 nM). Exhibits >100-fold selectivity for p110 α over other PI 3-kinase isoforms. Inhibits Akt signaling and tumor growth in SK-OV-3 xenografts in mice.

Physical and Chemical Properties:

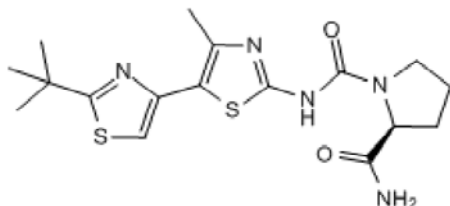
Batch Molecular Formula: C₁₇H₂₃N₅O₂S₂

Batch Molecular Weight: 393.53

Physical Appearance: White solid

Minimum Purity: \geq 98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 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:

Jamieson *et al* (2011) A drug targeting only p110 α can block phosphoinositide 3-kinase signalling and tumour growth in certain cell types. *Biochem. J.* **438** 53. PMID: 21668414.

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