

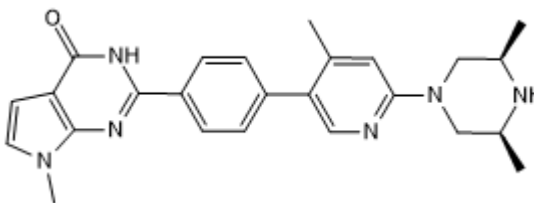
# Certificate of Analysis

[www.tocris.com](http://www.tocris.com)

**Product Name:** AZ 6102 **Catalog No.:** 5775 **Batch No.:** 1  
**CAS Number:** 1645286-75-4  
**IUPAC Name:** *rel*-2-[4-[6-[(3*R*,5*S*)-3,5-Dimethyl-1-piperazinyl]-4-methyl-3-pyridinyl]phenyl]-3,7-dihydro-7-methyl-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>25</sub>H<sub>28</sub>N<sub>6</sub>O  
**Batch Molecular Weight:** 428.53  
**Physical Appearance:** Off White solid  
**Solubility:** DMSO to 50 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.07	6.59	19.61
Found	70.19	6.58	19.4

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

**Product Name:** AZ 6102

**Catalog No.:** 5775

**Batch No.:** 1

CAS Number: 1645286-75-4

IUPAC Name: *rel*-2-[4-[6-[(3*R*,5*S*)-3,5-Dimethyl-1-piperazinyl]-4-methyl-3-pyridinyl]phenyl]-3,7-dihydro-7-methyl-4*H*-pyrrolo[2,3-*d*]pyrimidin-4-one

**Description:**

Potent TNKS2 and TNKS1 inhibitor (IC<sub>50</sub> values are 1 and 3 nM, respectively). Exhibits >100-fold selectivity for TNKS1/2 over PARP-1, PARP-2 and PARP-6. Inhibits Wnt signaling in DLD-1 cells (IC<sub>50</sub> = 5 nM). Exhibits moderate oral bioavailability.

**Physical and Chemical Properties:**

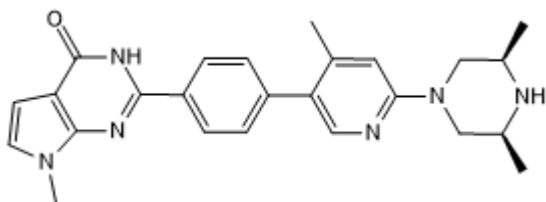
Batch Molecular Formula: C<sub>25</sub>H<sub>28</sub>N<sub>6</sub>O

Batch Molecular Weight: 428.53

Physical Appearance: Off White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 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:**

**Johannes et al** (2015) Pyrimidinone nicotinamide mimetics as selective tankyrase and wnt pathway inhibitors suitable for *in vivo* pharmacology. *ACS Med.Chem.Lett.* **13** 254. PMID: 25815142.

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