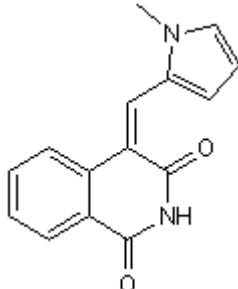


Certificate of Analysiswww.tocris.com**Product Name:** BYK 204165**Catalog No.:** 3734**Batch No.:** 1**CAS Number:** 1104546-89-5**IUPAC Name:** 4-[(1-Methyl-1*H*-pyrrol-2-yl)methylene]-1,3(2*H*,4*H*)-isoquinolinedione**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₅H₁₂N₂O₂·0.1H₂O**Batch Molecular Weight:** 254.07**Physical Appearance:** Yellow solid**Solubility:** DMSO to 100 mM**Storage:** Desiccate at +4°C**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.2 (Ethyl acetate:iso-Hexane [2:3])**HPLC:** Shows 99.5% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 70.91 4.84 11.03

Found 70.92 4.76 11.01

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 Worldwww.tocris.com/distributors

Tel: +1 612 379 2956

Product Name: BYK 204165**Catalog No.:** 3734**Batch No.:** 1

CAS Number: 1104546-89-5

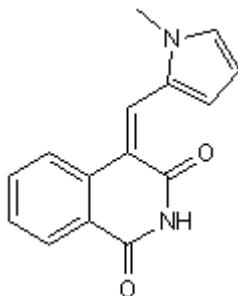
IUPAC Name: 4-[(1-Methyl-1*H*-pyrrol-2-yl)methylene]-1,3(2*H*,4*H*)-isoquinolinedione**Description:**

Potent and selective poly(ADP-ribose) polymerase (PARP)-1 inhibitor (pIC_{50} values are 5.38 and 7.35 for PARP-2 and PARP-1 respectively).

Physical and Chemical Properties:Batch Molecular Formula: $\text{C}_{15}\text{H}_{12}\text{N}_2\text{O}_2 \cdot 0.1\text{H}_2\text{O}$

Batch Molecular Weight: 254.07

Physical Appearance: Yellow solid

Minimum Purity: >99%**Batch Molecular Structure:****Storage:** Desiccate at +4°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:

Eltze et al (2008) Imidazoquinolinone, imidazopyridine, and isoquinolindione derivatives as novel and potent inhibitors of the poly(ADP-ribose) polymerase (PARP): a comparison with standard PARP inhibitors. *Mol.Pharmacol.* **74** 1587. PMID: 18809672.

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

bio-techne.cominfo@bio-techne.com
techsupport@bio-techne.com**North America**

Tel: (800) 343 7475

Chinainfo.cn@bio-techne.com
Tel: +86 (21) 52380373**Europe Middle East Africa**

Tel: +44 (0)1235 529449

Rest of Worldwww.tocris.com/distributors
Tel: +1 612 379 2956