

Product Name: NCL 00017509

Catalog No.: 5150

Batch No.: 1

CAS Number: 1507367-00-1

IUPAC Name: 3-[(6-Ethynyl-9H-purin-2-yl)amino]benzeneacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₂N₆O_{0.34}H₂O

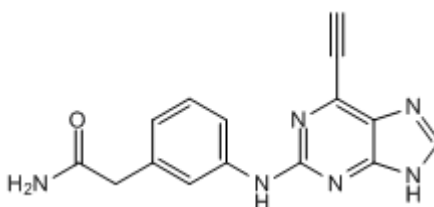
Batch Molecular Weight: 305.81

Physical Appearance: Beige solid

Solubility: DMSO to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.15 (Dichloromethane:Methanol [9:1])

HPLC: Shows 97.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.91	4.45	27.48
Found	58.89	4.21	27.52

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

Product Name: NCL 00017509**Catalog No.:** 5150**Batch No.:** 1

CAS Number: 1507367-00-1

IUPAC Name: 3-[(6-Ethynyl-9H-purin-2-yl)amino]benzeneacetamide

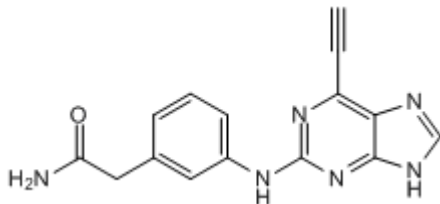
Description:

Potent and reversible NIMA related kinase 2 (Nek2) inhibitor ($IC_{50} = 56$ nM). Induces increased mitotic abnormalities and mitotic delay. Cell permeable and active in vivo.

Physical and Chemical Properties:Batch Molecular Formula: $C_{15}H_{12}N_6O \cdot \frac{3}{4}H_2O$

Batch Molecular Weight: 305.81

Physical Appearance: Beige solid

Minimum Purity: >97%**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:

Lebraud et al (2014) Model system for irreversible inhibition of Nek2: thiol addition to ethynylpurines and related substituted heterocycles. *Org.Biomol.Chem.* **12** 141. PMID: 24213855.

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