

**Product Name:** Senexin A

**Catalog No.:** 4875

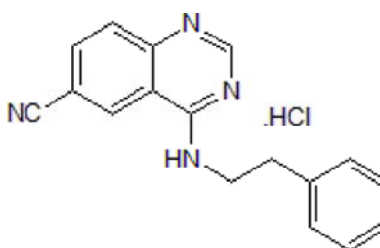
**Batch No.:** 2

CAS Number: 1780390-76-2

IUPAC Name: 4-[(2-Phenylethyl)amino]-6-quinazolinecarbonitrile hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>17</sub>H<sub>14</sub>N<sub>4</sub>.HCl  
**Batch Molecular Weight:** 310.78  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.9% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	65.7	4.86	18.03
Found	65.64	4.85	18.15

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

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**Description:**

Cyclin-dependent kinase 8 (cdk8) inhibitor (IC<sub>50</sub> = 280 nM). Also binds to cdk19 in an ATP-competitive manner. Inhibits p21-induced transcription. Reverses doxorubicin-induced tumor-promoting paracrine activities in vivo.

**Physical and Chemical Properties:**

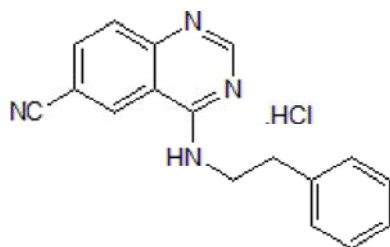
Batch Molecular Formula: C<sub>17</sub>H<sub>14</sub>N<sub>4</sub>.HCl

Batch Molecular Weight: 310.78

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

Porter *et al* (2012) Cyclin-dependent kinase 8 mediates chemotherapy-induced tumor-promoting paracrine activities. Proc.Natl.Acad.Sci.U.S.A. **109** 13799. PMID: 22869755.

**Storage:** Store 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.

**Licensing Information:**

Sold under license from Senex Biotechnology.

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**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