

Certificate of Analysis

www.tocris.com

Product Name: TCS 2210

Catalog No.: 3877

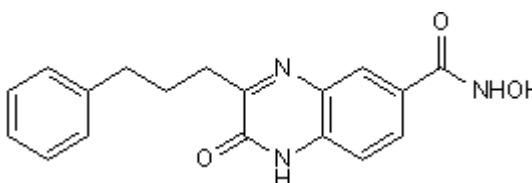
Batch No.: 1

CAS Number: 1201916-31-5

IUPAC Name: 1,2-Dihydro-*N*-hydroxy-2-oxo-3-(3-phenylpropyl)-6-quinoxalinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₇N₃O₃
Batch Molecular Weight: 323.35
Physical Appearance: Cream solid
Solubility: DMSO to 50 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.3 (Dichloromethane:Methanol [9:1])
HPLC: Shows 97% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	66.86	5.3	13
Found	66.91	5.27	12.87

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

Product Name: TCS 2210

CAS Number: 1201916-31-5

IUPAC Name: 1,2-Dihydro-N-hydroxy-2-oxo-3-(3-phenylpropyl)-6-quinoxalinecarboxamide

Catalog No.: 3877

EC Number:

Batch No.: 1

Description:

Inducer of neuronal differentiation in mesenchymal stem cells (MSCs) with specific phenotype change. Increases expression of neuronal markers β -III tubulin and NSE without cytotoxicity.

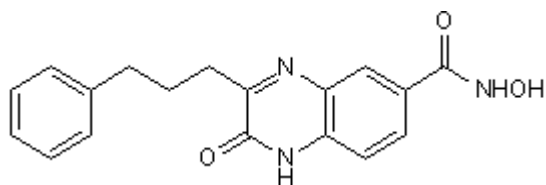
Physical and Chemical Properties:

Batch Molecular Formula: C₁₈H₁₇N₃O₃

Batch Molecular Weight: 323.35

Physical Appearance: Cream solid

Batch Molecular Structure:



Storage: Store at +4°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:

Kim et al (2009) Discovery of a new and efficient small molecule for neuronal differentiation from mesenchymal stem cell. *J.Med.Chem.* **52** 7931. PMID: 20014867.

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