

Product Name: TCS 2210

Catalog No.: 3877

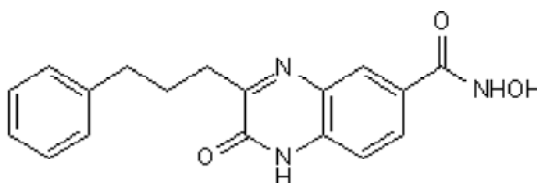
Batch No.: 1

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 -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.3 (Dichloromethane:Methanol [9:1])
HPLC: Shows 95.3% 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 Information

www.tocris.com

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EC Number:

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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.

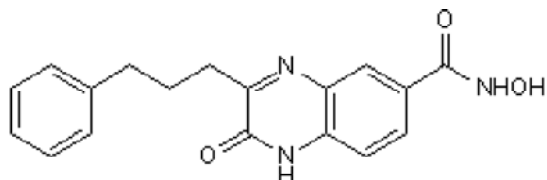
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Solubility & Usage Info:

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.

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