TOCRIS
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Print Date: Jan 15th 2016

Certificate of Analysis

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Product Name: **OXA 06 dihydrochloride** **Catalog No.: 5182** **Batch No.: 1**

IUPAC Name: 2-Fluoro-*N*-[[4-(1*H*-pyrrolo[2,3-*b*]pyridin-4-yl)phenyl]methyl]benzenemethanamine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{21}H_{18}FN_3.2HCl.H_2O$

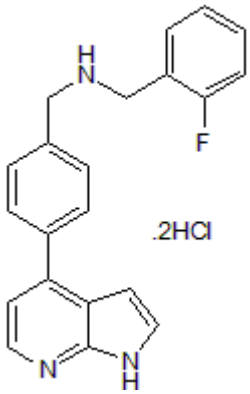
Batch Molecular Weight: 422.33

Physical Appearance: White solid

Solubility: DMSO to 100 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.35 (Dichloromethane:Methanol [19:1])

HPLC: Shows 99.2% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	59.72	5.25	9.95	16.79
Found	59.84	4.92	10.08	16.73

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Description:

Potent ROCK inhibitor (IC_{50} = 10 nM). Suppresses pMYPT1 and pCofilin levels in non-small cell lung carcinoma (NSCLC) cell lines. Also inhibits anchorage-independent growth of NSCLC cell lines in vitro.

Physical and Chemical Properties:

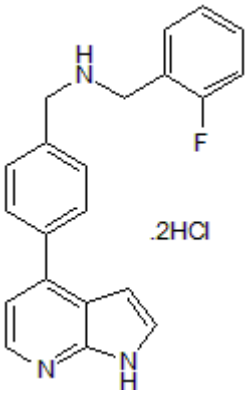
Batch Molecular Formula: $C_{21}H_{18}FN_3.2HCl.H_2O$

Batch Molecular Weight: 422.33

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Desiccate at RT

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:

Vigil *et al* (2012) ROCK1 and ROCK2 are required for non-small cell lung cancer anchorage-independent growth and invasion. Cancer Res. ***72*** 5338. PMID: 22942252.

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