

Product Name: GSK 2256098

Catalog No.: 7786

Batch No.: 1

CAS Number: 1224887-10-8

IUPAC Name: 2-[[5-Chloro-2-[[3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl]amino]-4-pyridinyl]amino]-N-methoxybenzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₂₃ClN₆O₂·1¼H₂O

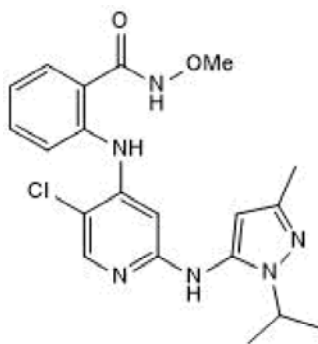
Batch Molecular Weight: 437.41

Physical Appearance: White solid

Solubility: DMSO to 100 mM
ethanol to 50 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.3% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.92	5.88	19.21
Found	54.01	5.57	19.04

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

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Description:

GSK 2256098 is a potent, reversible and ATP-competitive focal adhesion kinase (FAK) inhibitor (IC₅₀ values are 8.5 nM, 12 nM and 15 nM in U87MG, A549 and OVCAR8 cell lines respectively). Inhibits Y397 phosphorylation and motility, growth and survival of pancreatic ductal adenocarcinoma cells.

Physical and Chemical Properties:

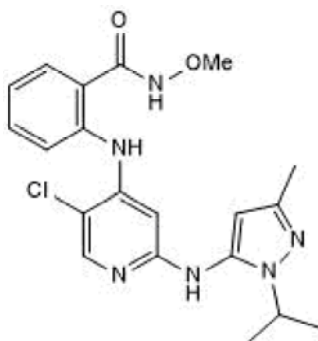
Batch Molecular Formula: C₂₀H₂₃ClN₆O₂·1¼H₂O

Batch Molecular Weight: 437.41

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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:

Zhang *et al* (2014) A small molecule FAK kinase inhibitor, GSK2256098, inhibits growth and survival of pancreatic ductal adenocarcinoma cells. *Cell Cycle* **13** 3143. PMID: 25486573.

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techsupport@bio-techne.com

North America

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Europe Middle East Africa

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Rest of World

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Tel:+1 612 379 2956