Certificate of Analysis

Product Name: **GSK 264220A** **Catalog No.: 3752** **Batch No.: 2**

CAS Number: 685506-42-7

IUPAC Name: *N*-[2-Methyl-5-(1-piperidinylsulfonyl)-3-furanyl]-*N*'-phenylurea

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{17}H_{21}N_3O_4S.¼H_2O$

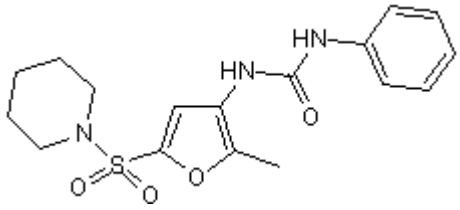
Batch Molecular Weight: 367.93

Physical Appearance: Beige solid

Solubility: DMSO to 100 mM
ethanol to 10 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.8% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.5	5.89	11.42
Found	55.61	5.84	11.44

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Description:

Endothelial lipase and lipoprotein lipase inhibitor (IC_{50} values are 0.13 and 0.10 µM respectively).

Physical and Chemical Properties:

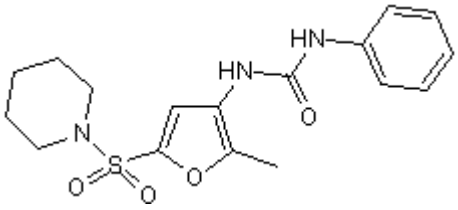
Batch Molecular Formula: $C_{17}H_{21}N_3O_4S.¼H_2O$

Batch Molecular Weight: 367.93

Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 10 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:

Keller *et al* (2008) A high-throughput screen for the endothelial lipase using HDL as substrate. J.Biomol.Screen. ***13*** 468. PMID: 18566479.

Goodman *et al* (2009) Discovery of potent, selective sulfonylfuran urea endothelial lipase inhibitors. Bioorg.Med.Chem.Letts. ***19*** 27.