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Print Date: Jan 14th 2016

Certificate of Analysis

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Product Name: GSK 264220A

Catalog No.: 3752 Batch No.: 2

CAS Number: IUPAC Name: 685506-42-7

N-[2-Methyl-5-(1-piperidinylsulfonyl)-3-furanyl]-N-phenylurea

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: Batch Molecular Weight: Physical Appearance: Solubility:

Storage: Batch Molecular Structure: $C_{17}H_{21}N_3O_4S.4H_2O$ 367.93 Beige solid DMSO to 100 mM ethanol to 10 mM

Store at +4°C

2. ANALYTICAL DATA

HPLC: ¹H NMR: Mass Spectrum: Microanalysis: Shows 99.8% purity Consistent with structure Consistent with structure

	Carbon	Hydrogen	Nitrogen
Theoretical	55.5	5.89	11.42
Found	55.61	5.84	11.44

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

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Product Information

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Batch No.: 2

Product Name: **GSK 264220A**

CAS Number: 685506-42-7

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

Description:

Endothelial lipase and lipoprotein lipase inhibitor (IC₅₀ values are 0.13 and 0.10 µM respectively).

Physical and Chemical Properties:

Batch Molecular Formula: C17H21N3O4S.1/4H2O 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).

Catalog No.: 3752

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. 1927.

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