TOCRIS
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Print Date: Jan 3rd 2020

Certificate of Analysis

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Product Name: **GSK 0660** **Catalog No.: 3433** **Batch No.: 1**

CAS Number: 1014691-61-2

IUPAC Name: 3-[[[2-Methoxy-4-(phenylamino)phenyl]amino]sulfonyl]-2-thiophenecarboxylic acid methyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{19}H_{18}N_2O_5S_2$

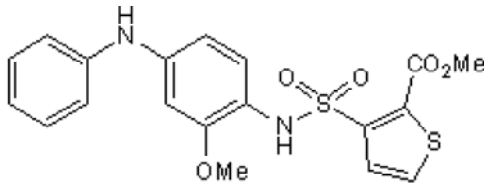
Batch Molecular Weight: 418.49

Physical Appearance: Green solid

Solubility: DMSO to 100 mM
ethanol to 10 mM

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.7 (Ethyl acetate:Petroleum ether [1:1])

HPLC: Shows 99.9% purity

^{1}H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	54.53	4.34	6.69
Found	54.37	4.41	6.65

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Product Information

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CAS Number: 1014691-61-2

IUPAC Name: 3-[[[2-Methoxy-4-(phenylamino)phenyl]amino]sulfonyl]-2-thiophenecarboxylic acid methyl ester

Description:

Selective PPARδ antagonist (IC_{50} values are 0.155, > 10 and ≥ 10 μM at PPARδ, PPARα and PPARγ respectively). Exhibits inverse agonist effects when administered by itself.

Physical and Chemical Properties:

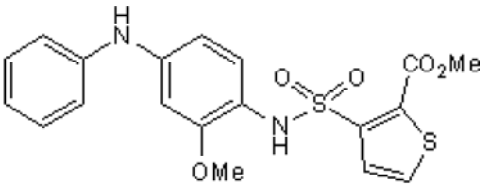
Batch Molecular Formula: $C_{19}H_{18}N_2O_5S_2$

Batch Molecular Weight: 418.49

Physical Appearance: Green solid

Minimum Purity: ≥99%

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:

Bishop-Bailey and Swales (2008) The role of PPARs in the endothelium: Implications for cancer therapy. PPAR Res. 904851.

Shearer *et al* (2008) Identification and characterization of a selective peroxisome proliferator-activated receptor β/δ (NR1C2) antagonist. Mol.Endocrinol. ***22*** 523. PMID: 17975020.

Wang (2008) PPAR-δ in vascular pathophysiology. PPAR Res. 164163. PMID: 19132133.