

Product Name: GSK 2033

Catalog No.: 5694

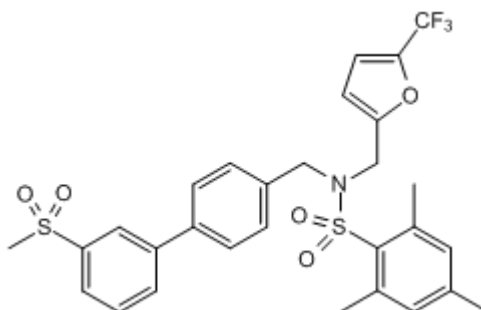
Batch No.: 1

CAS Number: 1221277-90-2

IUPAC Name: 2,4,6-Trimethyl-N-[[3'-(methylsulfonyl)[1,1'-biphenyl]-4-yl]methyl]-N-[[5-(trifluoromethyl)-2-furanyl]methyl]benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₉ H ₂₈ F ₃ NO ₅ S
Batch Molecular Weight:	591.66
Physical Appearance:	White solid
Solubility:	DMSO to 20 mM
Storage:	Store at +4°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

TLC:	R _f = 0.66 (Ethyl acetate:Petroleum ether [1:1])
HPLC:	Shows 100% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	58.87	4.77	2.37
Found	59.09	4.79	2.39

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

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Description:

Potent LXR antagonist ($pIC_{50} = 7.5$). Enhances T-cell proliferation and blocks T 0901317-antiproliferative activity on T-cells. Cell permeable.

Physical and Chemical Properties:

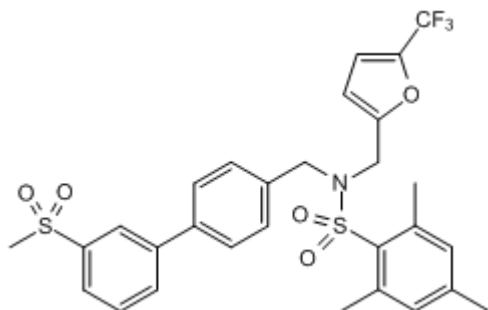
Batch Molecular Formula: $C_{29}H_{28}F_3NO_5S$

Batch Molecular Weight: 591.66

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



References:

Zuercher et al (2010) Discovery of tertiary sulfonamides as potent liver X receptor antagonists. *J.Med.Chem.* **53** 3412. PMID: 20345102.

Solt et al (2012) LXR-mediated inhibition of CD4+ T helper cells. *PLoS ONE* **7** e46615. PMID: 23029557.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 20 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.

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