

Product Name: AH 7614

Catalog No.: 5256

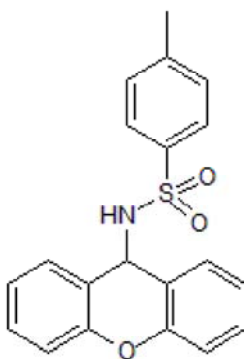
Batch No.: 2

CAS Number: 6326-06-3

IUPAC Name: 4-Methyl-N-9H-xanthen-9-yl-benzenesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₀H₁₇NO₃S
Batch Molecular Weight: 351.42
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.36	4.88	3.99
Found	68.25	4.8	3.97

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

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IUPAC Name: 4-Methyl-N-9H-xanthen-9-yl-benzenesulfonamide

Description:

AH 7614 is a selective free fatty acid receptor 4 (FFA4/GPR120) antagonist (pIC₅₀ values are 7.1 and <4.6 for human FFA4 and FFA1 receptors respectively). Inhibits linoleic acid and GSK 137647A-induced intracellular calcium accumulation in U2OS osteosarcoma cells expressing the FFA4 receptor.

Physical and Chemical Properties:

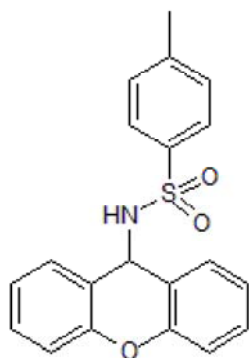
Batch Molecular Formula: C₂₀H₁₇NO₃S

Batch Molecular Weight: 351.42

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Sparks et al (2014) Identification of diarylsulfonamides as agonists of the free fatty acid receptor 4 (FFA4/GPR120). *Bioorg.Med.Chem.Lett.* **24** 3100. PMID: 24881566.

Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 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.

Licensing Information:

Sold for research purposes under agreement from GlaxoSmithKline

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