

Product Name: SCH 336

Catalog No.: 5815

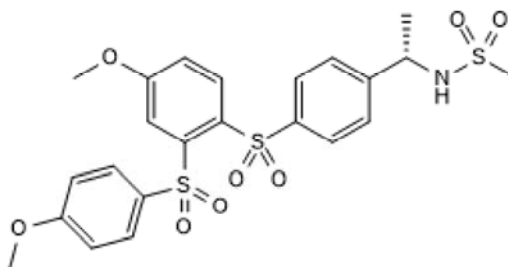
Batch No.: 1

CAS Number: 447459-51-0

IUPAC Name: *N*-[(1*S*)-1-[4-[[4-Methoxy-2-[(4-methoxyphenyl)sulfonyl]phenyl]sulfonyl]phenyl]ethyl]methanesulfonamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₅NO₈S₃
Batch Molecular Weight: 539.64
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.36 (Ethyl acetate:Petroleum ether [3:1])
HPLC: Shows 99.8% purity
Chiral HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:	Carbon Hydrogen Nitrogen		
	Carbon	Hydrogen	Nitrogen
Theoretical	51.19	4.67	2.6
Found	51.32	4.63	2.36

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

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Description:

SCH 336 is a highly potent and selective CB₂ receptor inverse agonist (K_i = 1.8 nM, EC₅₀ = 2 nM). Displays 100-fold selectivity for CB₂ receptors over CB₁. Increases Forskolin stimulated cAMP accumulation in CHO cells expressing human CB₂ receptors. Inhibits leukocyte migration in a murine model of delayed-type hypersensitivity and inhibits antigen-induced lung eosinophilia in a mouse allergy model.

Physical and Chemical Properties:

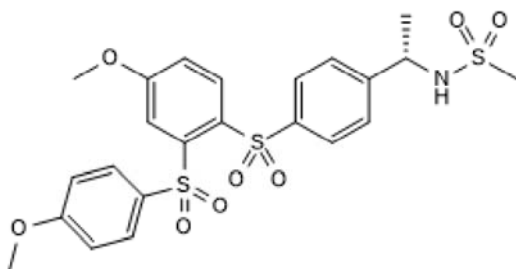
Batch Molecular Formula: C₂₃H₂₅NO₈S₃

Batch Molecular Weight: 539.64

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Lunn *et al* (2006) A novel cannabinoid peripheral cannabinoid receptor-selective inverse agonist blocks leukocyte recruitment *in vivo*. *J.Pharmacol.Exp.Ther.* **316** 780. PMID: 16258021.

Storage: Store at RT

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.

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