

Certificate of Analysis

Product Name: ZM 226600

Catalog No.: 0882

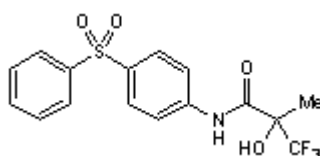
Batch No.: 1

CAS Number: 147695-92-9

IUPAC Name: *N*-(4-Phenylsulfonylphenyl)-3,3,3-trifluoro-2-hydroxy-2-methylpropanamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₄F₃NO₄S
Batch Molecular Weight: 373.35
Physical Appearance: White crystalline solid
Solubility: DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Melting Point: Between 159 - 160°C
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.47	3.78	3.75
Found	51.28	3.76	3.7

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

Product Information

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Description:

Potent $K_{ir}6$ (K_{ATP}) channel opener ($EC_{50} = 0.5 \mu M$), devoid of antiandrogen properties.

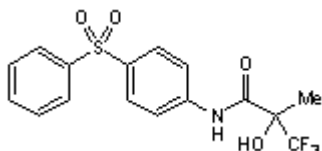
Physical and Chemical Properties:

Batch Molecular Formula: $C_{16}H_{14}F_3NO_4S$

Batch Molecular Weight: 373.35

Physical Appearance: White crystalline solid

Batch Molecular Structure:



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.

References:

Grant *et al* (1994) Anilide tertiary carbinols: a novel series of K^+ channel openers. *TIPS* **15** 402. PMID: 7855900.

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