

Product Name: SR 1078

Catalog No.: 4874

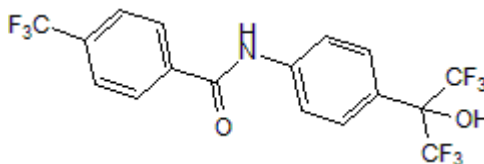
Batch No.: 1

CAS Number: 1246525-60-9

IUPAC Name: *N*-[4-[2,2,2-Trifluoro-1-hydroxy-1-(trifluoromethyl)ethyl]phenyl]-4-(trifluoromethyl)benzamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₀F₉NO₂
Batch Molecular Weight: 431.25
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 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 98.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	47.35	2.34	3.25
Found	47.46	2.29	3.28

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

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Description:

Agonist of retinoic acid receptor-related orphan receptors (ROR) ROR α / γ . Increases transcription of ROR α target genes; thought to increase p53 stability.

Physical and Chemical Properties:

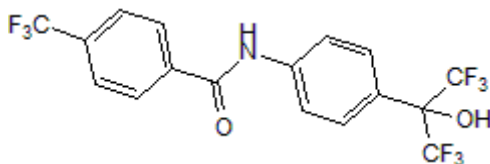
Batch Molecular Formula: C₁₇H₁₀F₉NO₂

Batch Molecular Weight: 431.25

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol 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:

Wang et al (2010) Identification of a synthetic agonist for the orphan nuclear receptors ROR α and ROR γ , SR1078. *ACS Chem.Biol.* **5** 1029. PMID: 20735016.

Wang et al (2012) Regulation of p53 stability and apoptosis by a ROR agonist. *PLoS One* **7**e34921. PMID: 22509368.

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