

Product Name: J 147

Catalog No.: 5081

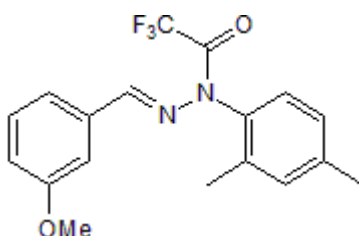
Batch No.: 1

CAS Number: 1146963-51-0

IUPAC Name: 2,2,2-Trifluoroacetic acid 1-(2,4-Dimethylphenyl)-2-[(3-methoxyphenyl)methylene]hydrazide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₇F₃N₂O₂
Batch Molecular Weight: 350.33
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 [85:15])
HPLC: Shows 99.3% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.71	4.89	8
Found	61.68	4.87	7.92

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

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Description:

Neurotrophic compound. Enhances memory in rats and prevent memory deficits in Alzheimer's disease transgenic mice. Shown to reduce soluble A β 40 and A β 42 and increases BDNF levels in the hippocampus. Orally active.

Physical and Chemical Properties:

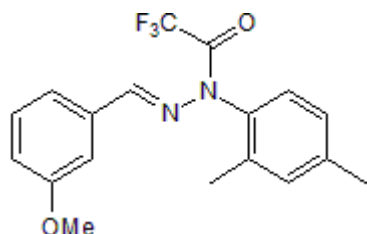
Batch Molecular Formula: C₁₈H₁₇F₃N₂O₂

Batch Molecular Weight: 350.33

Physical Appearance: White solid

Minimum Purity: >99%

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:

Chen et al (2011) A novel neurotrophic drug for cognitive enhancement and Alzheimer's disease. *PLoS One* **6** e27865. PMID: 22194796.

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