

Product Name: CYM 9484

Catalog No.: 4606

Batch No.: 2

CAS Number: 1383478-94-1

IUPAC Name: *N*-[4-[(Dimethylamino)sulfonyl]phenyl]-4-(hydroxydiphenylmethyl)-1-piperidinecarbothioamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{27}H_{31}N_3O_3S_2 \cdot \frac{1}{2}H_2O$

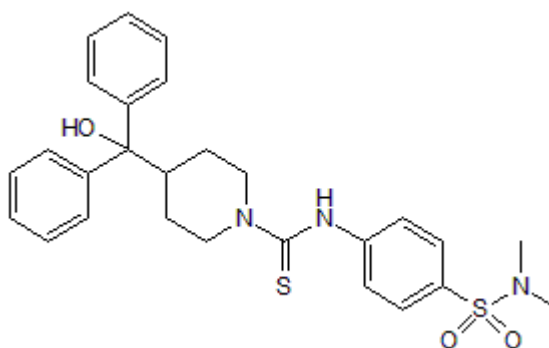
Batch Molecular Weight: 518.64

Physical Appearance: Off-white solid

Solubility: DMSO to 100 mM

Storage: Store at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: $R_f = 0.58$ (Dichloromethane:Methanol [9:1])

HPLC: Shows 99.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	62.52	6.22	8.1
Found	62.55	5.92	7.99

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

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Description:

Potent neuropeptide Y (NPY) Y₂ receptor antagonist (IC₅₀ = 19 nM).

Physical and Chemical Properties:

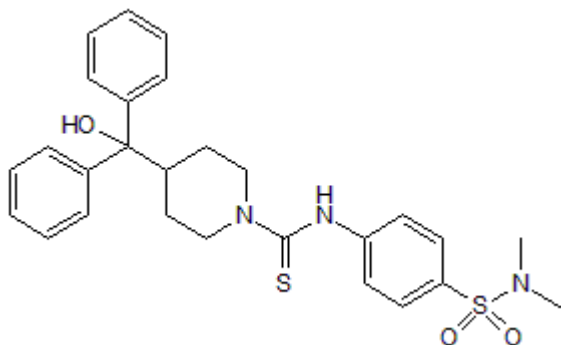
Batch Molecular Formula: C₂₇H₃₁N₃O₃S₂·½H₂O

Batch Molecular Weight: 518.64

Physical Appearance: Off-white solid

Minimum Purity: >98%

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:

Mittapalli *et al* (2012) Synthesis and SAR of selective small molecule neuropeptide Y Y₂ receptor antagonists. *Bioorg.Med.Chem.Lett.* **22** 3916. PMID: 22607676.

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