

Product Name: LY 2955303

Catalog No.: 5984

Batch No.: 1

CAS Number: 1433497-19-8

IUPAC Name: 4-[5-[3,5-Bis(1,1-dimethylethyl)phenyl]-1-[4-[(4-methyl-1-piperazinyl)carbonyl]phenyl]-1H-pyrazol-3-yl]benzoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₃₆H₄₂N₄O₃·1½H₂O

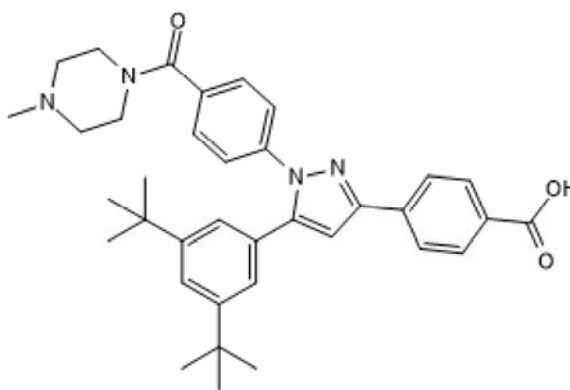
Batch Molecular Weight: 605.76

Physical Appearance: White solid

Solubility: DMSO to 20 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.6% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	71.38	7.49	9.25
Found	71.22	7.37	9.27

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

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Description:

High affinity and selective RAR γ antagonist (K_i values are 1.1 nM, >1.7 μ M and >2.9 μ M for RAR γ , RAR α and RAR β respectively). Displays analgesic efficacy in a mouse model of osteoarthritis-like joint pain.

Physical and Chemical Properties:

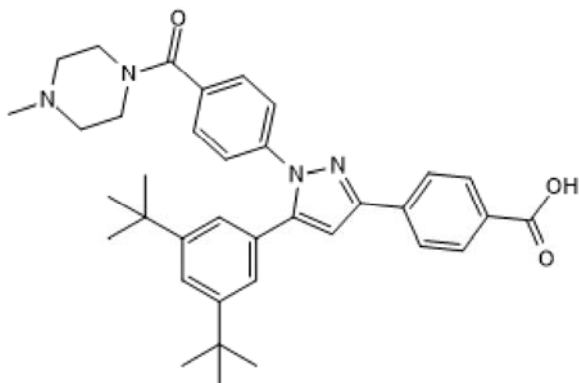
Batch Molecular Formula: C₃₆H₄₂N₄O₃·1½H₂O

Batch Molecular Weight: 605.76

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 20 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:

Hughes *et al* (2016) Identification of potent and selective retinoic acid receptor gamma (RAR γ) antagonists for the treatment of osteoarthritis pain using structure based drug design. *Bioorg.Med.Chem.Letts.* **26** 3274. PMID: 27261179.

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