

Certificate of Analysis

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Product Name: HM 50316

Catalog No.: 5850

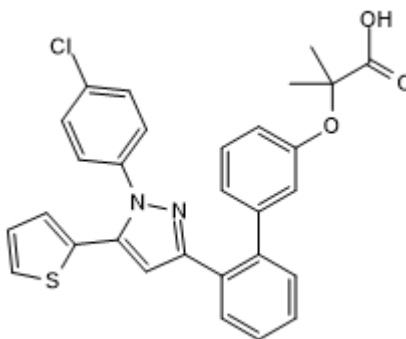
Batch No.: 1

CAS Number: 1310361-52-4

IUPAC Name: 2-[[2'-[1-(4-Chlorophenyl)-5-(2-thienyl)-1*H*-pyrazol-3-yl]][1,1'-biphenyl]-3-yl]oxy]-2-methylpropanoic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₉H₂₃ClN₂O₃S
Batch Molecular Weight: 515.02
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows >98.1% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.63	4.5	5.44
Found	67.25	4.56	5.27

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

Product Information

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Description:

High affinity FABP4 inhibitor ($K_i < 1$ nM). Highly selective for FABP4 over FABP3. Inhibits LPS-induced activation of murine macrophages in vitro.

Physical and Chemical Properties:

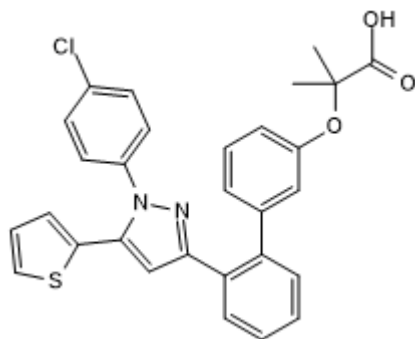
Batch Molecular Formula: $C_{29}H_{23}ClN_2O_3S$

Batch Molecular Weight: 515.02

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:

Liu *et al* (2011) New aromatic substituted pyrazoles as selective inhibitors of human adipocyte fatty acid-binding protein. *Bioorg.Med.Chem.Lett.* **21** 2949. PMID: 21481589.

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956